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SUBSCRIPTION, WITH  
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No. 2174

SEPTEMBER 24, 1921.

VOL. XCV.

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propaganda to the Medical Profession*

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(Carriage paid on 3 dozen.)			<b>Glaxo Bottle Mops</b>	<b>4d.</b>	<b>3/0</b>
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has all the  
mustard plaster but  
Musterole is a  
blister. Musterole is a  
made from oil of mustard.  
where there is pain

## of Cough Musterole

home Musterole can be  
colds and congestions  
used stinging, messy  
day you can use Mus-  
work of the old-fashioned  
mess or blister.

white ointment over the  
Musterole penetrates  
ular heat which soon  
disperses congestion and sends this cold away.

And Musterole is also good for  
twinging joints, aching muscles, or  
bruises. Keep Musterole handy  
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and recommend it to their

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inflammation and it soon generates a  
peculiar heat which disperses congestion  
and drives pain away. Musterole has all  
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but is without sting or blister. Physicians  
and nurses recommend Musterole. Your  
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4-12, Old Swan Lane,  
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Amidopyrazoline  
Antipyrin Salicylate (*Equivalent to Salipyrin*)  
Guaiacol Carbonate  
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Sodium Hyposulphite  
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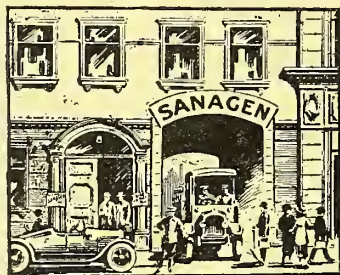
# A TWOFOLD ANNOUNCEMENT.

## Great Developments of the SanAgen Co.

*The only British Manufacturers of Food and Industrial Casein and Sugar of Milk (Lactose) and SanAgen acquire Six other Specialities for Sale by Chemists.*

### LARGER PREMISES AT KENNINGTON NOW TAKEN OVER

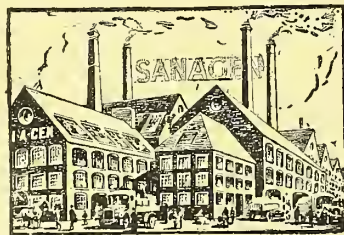
**I**n addition to the two large works at Tipperary, Ireland, the SanAgen Company has now taken over larger premises at Kennington, London, S.E. 11, the old premises at Battersea proving too small for the growing



SanAgen Food and Industrial Casein and Lactose Milk Sugar businesses. With the occupancy of the new Kennington premises, the SanAgen Company will now also supply **SIX ADDITIONAL SPECIALITIES** (specified in another column).

The new SanAgen premises at Kennington extends in depth from Kennington Road to Kennington Lane—two important South London thoroughfares less than two miles from the Thames bridges.

The new address is considerably larger than the old Battersea premises, and is much more easy of access from Central London, besides being a better centre



for the receiving and forwarding of supplies.

Owing to the unrivalled high quality of its products, the SanAgen Company is now receiving enquiries and doing business with all parts of the world,

and with its present fine equipment hopes to maintain and increase its business despite German and other foreign competition.

For the information of those unaware of the fact, it may be added that the progress of the SanAgen Company dates from the purchase of "SanAgen" from Casein, Ltd. three years ago, by Mr. Owen Parry, Chairman of the Directors of Owen Parry, Ltd., London and Colchester.

### MEDICAL, CHEMISTS' & PUBLIC APPROVAL OF SANAGEN SPECIALITIES

It is gratifying to be able to report the growing appreciation by British Medical men and Chemists of the high standard of quality of the SanAgen Specialities.

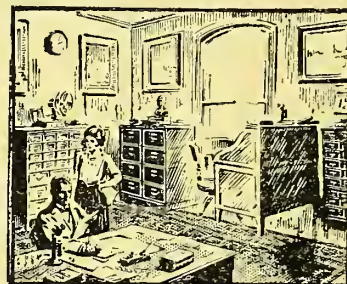
This recognition is manifested in many ways. Especially appreciated are the letters written by busy Doctors, Chemists and Public praising the superior palatability, digestibility and



efficacy of SanAgen as a Glycerophosphated Milk Proteid Nerve Tonic Food—the purity and solubility of the SanAgen Aspirin—the "goodness" of Scott's SanAgen Biscuits—and the merits of the other "SanAgen Seven" Specialities. The reason for this appreciation is due to the SanAgen Company's employment of the highest medical and chemical skill in the preparation of these products. Each of the "SanAgen Seven" Specialities is based on the best procurable Medical prescription, and prepared under the supervision of the ablest of Chemists.

The most fastidious and exacting of Medical men and Chemists can prescribe or recommend and supply any of the "SanAgen Seven" Specialities with the fullest confidence in their "British and Best" qualities.

Many Medical men and Chemists of the highest standing, when visiting the SanAgen Stand at the Medical,



Chemists' and Nursing Exhibitions, pay sincere and hearty tribute of appreciation of the high quality of the "SanAgen Seven" Specialities.

### THE "SANAGEN SEVEN" SPECIALITIES

1. **SANAGEN NERVE FOOD.**—The Great Re-invigorator for Brain, Nerves and Energies. Regularly advertised in leading papers. Selling at 3/- for 4 oz., 5/- 8 oz., and 9/6 for 1-lb. tins.
2. **SANAGEN DIETETIC BISCUITS.**—As used and recommended by the late Sir Henry Thompson, Sir William Jenner, Sir Edward Clark, and the leading doctors of to-day. Selling at—Tonic Digestive Biscuits, 2/6 and 5/-; Anti-Diabetic and Anti-Obesity Biscuits, 4/6 and 8/6.
3. **SANAGEN SOLUBLE ASPIRIN.**—Pure and really soluble. Selling at, per bottle of 36 tablets, 2/-.
4. **SANAGEN DIGESTOIDS.**—An excellent corrective for all gastric conditions. Selling at, per bottle of 36, 2/-.
5. **SANAGEN NASOIDS.**—For Nasal Douches. Will be in great demand during the coming "cold" time of the year. Selling at, per bottle of 50, 2/-.
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7. **SANAGEN NOTAN TEA TABLETS.**—Compressed specially selected tea tips, very popular with travellers, picnic parties, offices, etc. One tablet makes a delicious tannin-free cup of tea. Selling at, per tin of 100 tablets, 2/-.

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8 KENNINGTON PARK ROAD, LONDON, S.E. 11.

Telephone: HOP 1354.

Cables and Telegrams:

"SANAFOODS, LAMB, LONDON."



# Maw's Page



Sept. 24, 1921

No. 519

## Can you Spare Three Minutes?

There are probably at least ten outside traders who are handling pharmaceutical goods to every one legitimate pharmacist. Think of the bulk of business they are taking from our profession. Give just one minute's thought of what extra business would accrue to the pharmacist if all toilet and dental preparations, to cite but one example, were sold through the chemist from to-morrow onwards. Then give another minute to estimating your own share of the profits on this business. Now another minute to deciding whether this outside competition is not a thing you must fight tooth and nail if the future of pharmacy and your own success is to be assured. If you will give these three minutes to the consideration of this problem, we feel sure you can only arrive at one decision—to fight everything that helps outside competition, and to assist everything that aims at suppressing it. Therefore, you will have decided to buy from Maw's whenever possible, because the House of Maw definitely refuses its goods to outside competitors of the pharmacist. The public can only buy goods bearing the name of "Maw" from the legitimate pharmacists. The reputation, the goodwill, the very name of Maw itself is the pharmacist's exclusive property. That is what we mean by our policy of Pharmacy for the Pharmacist.

---

*Buy it at Maw's. The Ancient  
House with Modern Methods.*

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**S. Maw, Son & Sons, Ltd.**  
Aldersgate St., London.  
and Barnet.

Cables  
Eleven  
London

Code  
A.B.C.  
4th & 5th  
Edition





# The Medical Profession endorses the merits of ENO

Practically every medical man throughout the British Isles is acquainted with the merits of ENO, for our advertisements appear continuously in such influential publications as the *British Medical Journal* and the *Lancet*. That this advertising benefits the pharmacist is proved by the large number of doctors who prefer ENO themselves and prescribe it for their patients. Members of the medical profession would not recommend ENO so widely if they were not convinced of its undoubted superiority and therapeutic efficacy. For these reasons ENO can be recommended with every confidence to your customers.

A Consulting Physician and Surgeon, M.R.C.S., L.R.C.P., M.D., etc., writes:

"I find 'ENO'S FRUIT SALT' a pleasant and efficient laxative, which causes no 'griping,' and shall frequently prescribe it."—*Mar. 25th, 1921.*

"I prescribe it for the delicate patients in this hospital and they much prefer it to Mist. Alb."—*Mar. 12th, 1921.*

A Medical Officer of Health, M.D., M.R.C.P., M.R.C.S., etc., writes:

"I am 69 years of age, strong and well, don't feel more than 25, and I attribute this greatest of all blessings to sleep and 'FRUIT SALT,' which I have taken every morning for 35 years. There is not a day passes but what I am recommending you."—*June 17th, 1921.*

## ENO'S FRUIT SALT

A pharmacist in a small Cornish town with 4,415 population, accepted our special advertising offer on May 26th by purchasing 1 gross of ENO. On July 11th he ordered a further quantity of 2 gross. The fact that he doubled his original order in such a short time demonstrates that ENO never stays on the retailer's shelves. His net profit amounts to £5:8:0 per gross, or £16:4:0 on the total orders. We could quote many more examples from our records showing even larger sales and correspondingly larger profits, but the above pharmacist's experience clearly indicates that the great demand for ENO extends even to small places not subjected to a big influx of visitors on holiday. Full particulars of our 1-gross and ½-gross offers will be gladly supplied on application to the SALES MANAGER, J. C. ENO Ltd., Blackfriars House, New Bridge Street, London, E.C. 4.



### Important NOTICE

The words

**"ENO"**  
and  
**"FRUIT SALT"**

are our registered  
TRADE MARKS

In the interests of consumers, the trade, and ourselves, we will take legal proceedings against infringers and prevent substitution and "passing off" of imitations by every means in our power.

J. C. ENO, Ltd.



ESTABLISHED 1880.

# SYNTHETIC OTTOS

"Zinyl" Brand (Regd.)

## TRUE SYNTHETIC PRODUCTS.

IT has taken us many years to bring these to the present stage of excellence, and these Synthetic Ottos being unsurpassed in strength, are far cheaper in the manufacture of all toilet preparations than "Concentrated Perfumes," generally 1 to 40 volumes of spirit.

**BERGAMOTTE.** A substitute for Natural Bergamotte Oil ... 25/- lb.

**CARNATION.** Intensely fragrant, exactly resembles the flower ... 10/- oz.

**GERANIUM.** Much stronger than the natural perfume ... 5/- oz.

**HELIOTROPE.** The true odoriferous principle of this delightful flower... 10/6 oz.

**HYACINTH.** Gives a fine delicate perfume ... 9/6 oz.

**JASMIN.** We consider this Otto one of the best of the series ... 10/6 oz.

**LAVENDER.** Stronger than the natural oil ... 5/- oz.

**LILAC.** A true synthetic product of great delicacy ... 9/6 oz.

**LILY OF THE VALLEY.** A perfect imitation of the flower ... 13/6 oz.

**NEROLI.** Of exquisite flavour; very useful in making Eau de Cologne 10/- oz.

**ORANGE BLOSSOM.** A very delicate perfume, though not so powerful as some of the series ... 11/- oz.

**PINK.** An exquisite product, true to the flower ... 10/- oz.

**ROSE.** One of the finest and most delicate Synthetic Ottos on the market. The "Zinyl" Brand passes the most discriminating tests, and is almost indistinguishable from genuine otto, and, though much stronger, costs but a fraction of the price ... 21/- oz.

**ROSE RED.** This is the Red Rose of Provence ... 21/- oz.

**ROSE WHITE.** ... 18/- oz.

**SWEET PEA.** A novelty recalling the delightful odour of this favourite flower ... 10/- oz.

**SYRINGA.** Also a new product ... 10/- oz.

**VIOLET.** A universal favourite, in general demand ... 10/6 oz.

**VIOLET DE PARME.** A variation of the preceding Otto ... 15/- oz.

**WALLFLOWER.** Recalls this beautiful old-fashioned flower ... 10/6 oz.

### Synthetic Otto Rose "Zinyl" Brand.

"This product has a remarkably sweet rose odour, quite free from any objectionable smell of rose geranium. The abnormal prices of otto of rose and its excessive adulteration are forcing perfumers to depend more and more on the synthetic product which has the advantage of constancy."

*The Chemist & Druggist.*

# H. E. STEVENSON & CO.

122 Great Suffolk Street, London, S.E. 1.





*"Your  
Friend  
in a  
Hundred  
Troubles."*

*Its many  
**USES**  
bring you many  
**CUSTOMERS***



Every household emergency brings you a customer for Vaseline Jelly. People have grown to know and to trust it. The wonderful soothing qualities of Vaseline Jelly are sought for every burn, every cut, every bruise. No Chemist can afford to be without it. Constant advertising to the public reminds people of the manifold uses of Vaseline Jelly. That helps to send you custom. Keep a plentiful store of Vaseline Preparations—people who know them will refuse all substitutes.

Trade **Vaseline** Mark  
Petroleum Jelly

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STOCK THESE LINES ALSO;  
EACH HAS MADE FRIENDS  
AND PATRONS OF THE  
BRITISH PUBLIC.

### VASELINE CAMPHOR ICE.

The popular remedy for chapped  
and roughened skins from sun,  
wind and exposure.

### VASELINE CAPSICUM JELLY.

For chest colds, rheumatism and  
kindred complaints.





# Irresistible!

Have you made the acquaintance of the "glow maker"?

## IMPROVED GINGER WINE ESSENCE

Let it introduce itself to your clients from the top of your showcase or a massed display in your window. It will create a host of friends for you, and will be in constant demand throughout the autumn and winter seasons.

Its cheery nature is expressed in its inner label of orange and brown contained in a neatly designed outer of green and brown. The contents satisfy the most critical palate as well as the children's—simply irresistible!

By a special process the delicate flavour of selected ginger is subtly blended with other ingredients, which, with the addition of water and sugar only, make a most delicious, non-alcoholic ginger wine. A real joy maker for clubs, parties, socials, etc.

Improved Ginger Wine Essence is packed in bottles containing 2 oz., and makes one gallon of non-alcoholic ginger wine.

Per dozen, **7/3**

Per gross, **84/-**

Improved Ginger Wine Essence is a **chemist's own speciality**. Name and address will be printed on all orders for three dozen and upwards. Showcards sent with all orders on request.

*"It tickles the palate!"*

*Write to-day for specimen carton and label. We will send them per return of post.*



**AYRTON, SAUNDERS & Co. L<sup>TD</sup>**  
**Manufacturing Chemists** **Hanover Street, LIVERPOOL**



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*Distillers of Essential Oils and Manufacturers  
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*The TEST of Cheapness is QUALITY—not PRICE*

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform, and one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

**ONCE TRIED—ALWAYS USED.**

Highest Awards at all Universal Expositions, including  
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**Shipkoff & Co., Kazanlik, Bulgaria.**

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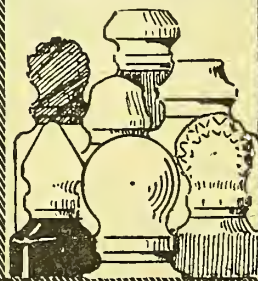
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of  
**DISTOL OTTOS**

**T**EN years' development in aviation as exemplified by the two diagrams above is symbolic of the sales development of "Distols" which is roughly in the same proportion. Ten years ago "Distol" Ottos were an untried novelty appealing only to the adventurous few. To-day they form part of the routine equipment of most pharmacies. "Distols" enable the Pharmacist to meet unprofessional competition, both as regards quality and price and still leave a handsome margin of profit in hand.

"Distol" Ottos are sold in 1 oz. bottles (making 81 oz. of perfume by the simple addition of S.V.R. and Aqua Dest.) at the uniform price of 7/6 per ounce. Forty varieties. Ask for samples made from any six.

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ESTABLISHED 1797.

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EFFECTIVE SHOWCARDS NOW READY FOR WINDOW DISPLAY.

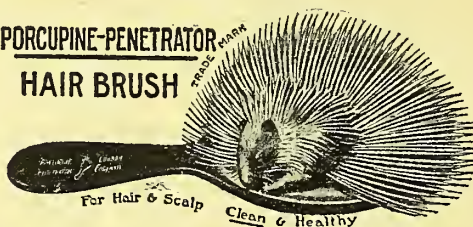
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TRADE MARK.

**One Price  
The Cheapest.**  
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A high-class Brush  
with no restrictions  
to climates or  
cleaning.

**PORCUPINE-PENETRATOR  
HAIR BRUSH**



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**One Quality  
The Best.**  
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Retail prices—  
Handled Hair  
**5/6 each.**

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In White Bristles and Bone.



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under  
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and patent  
process.



No. 411.

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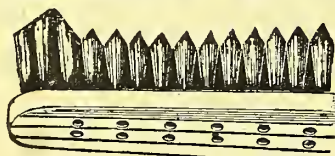
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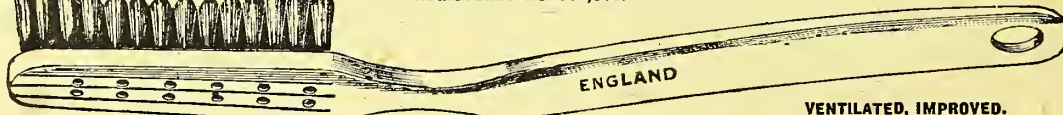
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London Brush Works, London Fields, E.8.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain wet, or it becomes offensive. The advantage of this Brush is—it can be hung up to drain, allowing the air to dry and purify it.



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VENTILATED, IMPROVED.

To be obtained from Wholesale Houses. Packed in cartons, facilitates sales  
and ensures brush reaching user in clean and antiseptic condition.

# PROFIT in GREENWICH Household Dyes for You.

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—10% on Turnover is the Profit you make on this quick-selling line. There is positively no dead stock. Directly your customers see them on your counter or in your windows they will say—"Ah! that's what I want." Terms—Wholesale, 2/- and 4/- per doz. Packed in smart envelopes. A 30/- Counter Show Box contains 7 doz. 3d. packets, and 4 doz. 6d., arranged alphabetically so that any colour can be found in a moment. A Bonus of 6x6 packets free, in payment for display, with each 30/- box. Attractive Showcards supplied.

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For Chest Colds, Bronchitis and Pneumonia, or as  
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*Prices :—*

No.	Across Chest.	Shoulder to waist.	Cotton Wool per doz.	Retail each.
1.	8 in.	6 in.	7/-	1/-
2.	10 in.	8 in.	10/6	1/6
3.	12 in.	10 in.	14/-	2/-
4.	15 in.	12 in.	18/-	2/6
5.	19 in.	13 in.	24/-	3/3
6.	21 in.	15 in.	30/-	4/6

*In six sizes.*

*Any special  
size made  
to order.*

With orders for six dozen a bonus of three of size 2 and three of size 3 is given, and with orders for one gross six of size 2 and six of size 3, together with appropriate show matter.

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OLDBURY, near BIRMINGHAM.



Established in 1813

The same as supplied to Her late Majesty Queen Victoria



The Original & BEST JERSEY EAU-DE-COLOGNE

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1-oz. Ring-Neck ....	20/- doz.	2/6
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6-oz. Tourist Flat (Flat) ....	100/- doz.	12/6
8-oz. Square ....	120/- doz.	15/-
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Special. $1\frac{1}{2}$ -oz. Flask (Sprinkler) ....	30/- doz.	3/9

*Order at once for immediate delivery for Xmas Trade.*

*Orders of £5 Carriage Paid.*

*5 % discount allowed for Window Display, and*

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No. 77  
**BRITISH**  
Eau de  
Cologne



2-oz.

31/- Doz.



4-oz.

60/- Doz.



8-oz.

115/- Doz.

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ESTD 1833
ESTD 1833

MIDGLEY'S

# Poppisana Soap

*Is* the Soap to enliven your windows with in slumpy days—and to set your Cash Register ringing cheerfully.

The keynote of its presentation is *Optimism*, and even a small display will make a blaze of colour sufficient to arrest the attention of the least observant to your window.

*As for the Soap itself*—well, it's Midgley's.

*The Retail Price . . 7d. Tablet.*

*The Profit . . . .* You know our terms—if not, an Evans' Representative will gladly tell you them.

ESTD 1833
ESTD 1833

## MIDGLEY'S

(formerly Taylor's)

## PREPARED PLASTER

for the Relief  
Dispersion and  
Cure of

## BOILS AND CARBUNCLES

is a line which  
should be stocked  
by every Phar-  
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RETAIL	DOZEN

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Qualifies for discount  
on usual terms.

□

The time of the year  
when these most  
painful and unsightly  
afflictions are most  
prevalent is now here.

□

## MIDGLEY'S BOIL PILLS

assist the external  
application by their  
alterative effect.

SAME PRICES  
AS PLASTER.

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A HANDY SELLER DURING THE COMING SEASON  
WILL BE

*Pleasant*

*Economical*

*Effective*



# Winter Cream

*In Screw-Cap Jars*

**6/- doz.**

*to account.*

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POIRET'S  
**ROSINE**

Perfume  
Creations.

□

RETAIL:

21/- to 63/-

□

A Highly  
Profitable  
Series for all  
doing a  
good-class trade.

□

WRITE FOR  
COLOURED  
ILLUS-  
TRATIONS  
AND  
TRADING  
TERMS.

□



*The  
Secret of  
Paying  
Displays*

COLLAPSIBLE  
OXYDISED COPPER  
STANDS, COMPLETE with EXACT  
FITTING POLISHED PLATE  
GLASS SHELVES.

No.	Hgt.	Shelv.s	in.	in.	in.	in.	Each
1.	8 in.	3	9×3	11×3½	13×4	—	14/0
2.	12 in.	3	"	"	"	—	16/6
3.	19 in.	4	"	"	"	16×4½	26/0
4.	25 in.	4	"	"	"	"	28/6

CARRIAGE EXTRA.

ASTRAL STANDS MEAN BETTER  
DISPLAYS WITH HALF THE GOODS  
AND HALF THE LABOUR. FILL  
ALL GAPS. CAST NO SHADOWS.

**DE  
LUZY**

Popular  
Priced  
Perfumes,  
5/- to 21/-

RETAIL.

□

Faultless in  
quality and  
dignified in  
packing.

□

WRITE FOR  
ILLUS-  
TRATIONS  
AND  
TERMS.

□

## SIMMS' "Set-in-Rubber" SHAVING BRUSHES

Each in box—each guaranteed—over 100 models to retail  
2/3 to 63/-.

Showcards and window trim supplied.

WRITE FOR SAMPLE RANGE to a STATED VALUE.

**W. H. CALNAN & Co., LTD.** 30-32 LUDGATE HILL  
LONDON :: :: E.C. 4

# An Invitation

*Two New Lines of interest to you*

## EUCRYL DENTURE POWDER

is a product of real merit, and we invite you to thoroughly test it. The results will convince you of its efficiency in cleansing artificial teeth and plates, and of its ability to remove carbonisation caused by smoking. It is entirely different to our Tooth Powder, but of the same high quality—two features to be remembered.

It follows that an article you can recommend to your customers is one you will create a large demand for. Equally important, too, is the profit it yields. EUCRYL DENTURE POWDER carries the same generous terms as our other products.

## EUCRYL SHAMPOO POWDER

(BLUE SEAL)

is an improved Shampoo, the quality of which you are asked to investigate. It is attractively perfumed and packed, and dainty little display boxes are supplied with all orders.

*QUICK SALES and GOOD PROFITS are assured.*

.....  
WRITE FOR SAMPLES, AND PARTICULARS OF  
OUR GENEROUS BONUS TERMS.  
.....

EUCRYL Tooth Powder	-	7½d., 1/2, 1/6 (Sprinklers)
" Tooth Paste	-	7½d., 10½d., 1/3
" Denture Powder	-	7½d.
" Shampoo Powder (Blue Seal)		4d. packets.
" Rounds (Cold Cream Soap).		
LYSOL (Lycryl Brand), 4 oz., 8 oz., 16 oz., 32 oz., and bulk.		

.....

**EUCRYL, LTD., Shirley, Southampton.**



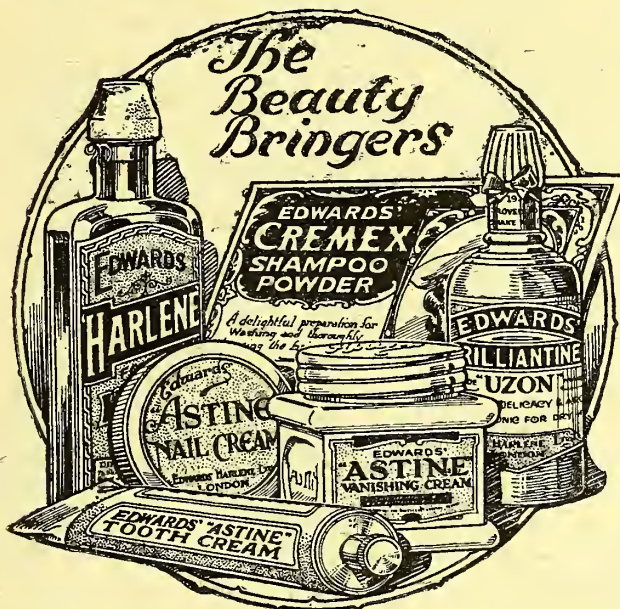
**Do YOU Stock the "Quick Sellers"?**

**EDWARDS' HARLENE**

**TOILET SPECIALITIES**

**THE WORLD'S BEST**

**Are The Quickest Selling Lines On The Market.**



"HARLENE"  
FOR THE HAIR

"UZON"  
BRILLIANTINE

"CREMEX"  
SHAMPOO POWDERS

"ASTOL"  
FOR GREY HAIR

"ASTINE"  
VANISHING CREAM

"ASTINE"  
TOOTH CREAM

"ASTINE"  
SHAVING STICK

"ASTINE"  
NAIL CREAM

**SUPPORTED BY WIDESPREAD PUBLICITY  
WHICH BRINGS YOU NEW CUSTOM DAILY.**

**FOLLOW THE TIDE OF SUCCESS.**

Watch the Great Free Gift Advertising Campaign that brings the Customers to YOUR Shop.

*No Chemist or Store can afford to be without this unique line of Toilet Preparations.*

*For Particulars, Terms, etc., write to*

**EDWARDS' HARLENE, LIMITED**

20, 22, 24 & 26 LAMB'S CONDUIT STREET, LONDON, W.C. 1.







# A. S. LLOYD'S EUXESIS.

**For Shaving without Soap, Water, or Brush.**

## CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—  
A. S. Lloyd in Black Ink, and that of his Widow,  
Aimée Lloyd, in RED. Refuse any other.

**Sole Manufacturers and  
Proprietors:**

**AIMÉE LLOYD & CO.**

**23 PANTON STREET (formerly named Spur Street),  
HAYMARKET, LONDON, S.W.**

*N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).*

## "Jackel's Cream"



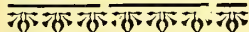
CRYSTALLISED  
1/9 CREAM 2/6  
Trade Mark attached to each  
bottle.

(without Grease)  
for THE HAIR

Sold everywhere  
Established 1883.



"Jackel's Cream"  
fixes the hair in any de-  
sired position; is un-  
excelled as a dressing  
and does not soil the  
headware. It removes  
Scurf and Dandruff,  
keeps the scalp healthy,  
and promotes the natu-  
ral growth of the hair  
while maintaining its  
softness and brilliancy.



Prices for Wholesale and Export  
Houses on application.

Jackel et Cie (of Paris)  
Ltd..

Sauchiehall Street  
GLASGOW.



Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."  
A big vigorous impressive advertising campaign, covering  
the whole of the British Isles, is now being pursued. A  
vastly increased volume of business is inevitable. Generous  
profit to the trade has been arranged.

**TATCHO**  
THE HAIR GROWER  
Price 2/9

Wholesale :  
**26/-**  
PER DOZEN.

**TATCHO-TONE**  
FOR GREY HAIR  
Price 4/6

Wholesale :  
**42/-**  
PER DOZEN.

**GEO. R. SIMS' HAIR RESTORER CO.**  
5 Great Queen St., Kingsway, LONDON, W.C.2.

**NUXCOL****Liquid Shampoo**

Price 12/- doz. ;  
sells at 1/9

**THESE** preparations are now established favourites with the public wherever they are sold.

Repeat orders leave no manner of doubt on this score.

**NUXCOL****SHAMPOO POWDERS.**

Price 20/- gross ; sell at 4d. Seven in a box, beautifully finished in cellophane, 14/- doz.

WRITE FOR OUR ILLUSTRATED CATALOGUE.

We pack everything necessary to a Chemist's Business.

Telephone :  
HOP 2415.

**ROBERT BLACKIE,**

Shen Works, Tower Bridge Rd., London, S.E.1.

Telegrams :  
"Ushenspuna  
London."

*You cannot deliberately ignore the Cheapest Market if you are a keen Buyer !!!*

*Therefore, why not let Us quote You ?*

We are actual manufacturers of all kinds of Powder Puffs in Down or Wool, and can guarantee to give you satisfaction both as regards High Quality and Prices. Our Prices, which defy competition, are a consequence of keen buying in the right markets; the benefit of which we accord to our customers. Therefore our regular Prices are the lowest **always** and do not stand cutting !!!

**Your enquiries welcomed.**

We also SPECIALISE in

**MANICURE REQUISITES****NAIL POLISHERS FAVEUR RIBBONS****PERFUME LABELS, "Le Relief" Paris.***We can show you the latest Paris Creations.***DRUGGIST SUNDRIES, etc.**

**Compact Powder, Nail Crayon and Paste,  
Vanishing Cream and Skin Food, Perfumery.**

*In Bulk or Packed ready for Export.*

Samples and detailed Price Lists are sent upon request to  
**WHOLESALE and SHIPPERS ONLY.**  
NO RETAIL FIRMS WILL BE SUPPLIED.

**J. R. BOURLAT, GOES & Co.**

(Incorporating Wm. A. J. SHARPLES)

21 Clarendon Rd., Holland Park, London, W.11

Telephone: PARK 2592.

Laboratories: 4 Beatrice Road, Stroud Green, N.4  
LONDON PARIS BRUXELLES

**P.A.T.A. NOTICE.**

18 Tavistock Square, W.C.1.

September 23rd, 1921.

The following prices are now in force:

	Minimum Retail Price	Minimum Wholesale Price
<b>John Wessler Model Tooth Brushes :—</b>		
Medium ... ..	2/3	18/- doz. 211/- gross
Hard ... ..	2/3	21/- doz. 246/- gross

Retailers are asked to support the P.A.T.A., and thus help to provide for the cost of this and other services which the Association renders.

WILLIAM S. GLYN-JONES.



# Gibbs

## Ivory Castle Window Display

### *Can you beat this?*

A Pharmacist, showing Gibbs "Ivory Castle" super-display in his window, reports:—

***"Have sold about 33 dozen 7½d. Dentifrice in 2½ days, with 'Ivory Castle' display in position."***

*The original report can be seen at the Office of D. & W. Gibbs Ltd., 105 High Street, Wapping, London, E.1.*

If you have not already received particulars of the "Ivory Castle" display—*write now*, a postcard will do.

The display comes to you complete in every detail. It can easily be adapted to suit any style of window. The dominant feature consists of a brilliant Ivory Castle, standing 24-in. high, on a draped pedestal that can be arranged to suit any height of window, thrown into sharp perspective by a sombre background. The castle is manned by quaint elves and dainty fairies in colours. A selection of showcards, cut-outs, etc., also supplied, together with sufficient copies of "The Ivory Castle Fairy Book" for one to be given free to each purchaser of GIBBS DENTIFRICE.

D. & W. GIBBS  
Ltd. (Dept. S 10),  
City Soap Works,  
LONDON, E.1.

# *Gibbs Dentifrice*

# X Better Soaps - - Better Profits X



**"SAPON" SOAPS REPRESENT THE ONLY GREAT ADVANCE  
IN SOAP CHEMISTRY FOR MORE THAN 100 YEARS.**

We are in no way connected with any combine of  
soap makers.

WRITE FOR PRICE-LIST OR PHONE 934 BANK.

**SAPON SOAPS, Ltd., LONDON BRIDGE**  
E.C. 4

## TUSKOID

Superfine Cut—Non-Inflammable.  
Fine Tooth Combs.

8/- 10/- 12/- per dozen.  
Glass-fronted Showcase free with 3 dozen Combs,  
£1. 10. 0

### GREATLY REDUCED PRICES.

The OSBORNE Dressing Comb.  
Strong—durable—grailed finish.

Ivory White Dressing ...	} 10/- doz.	Or Special Prices for Quantities.
" " Rake ...		
Black Dressing ...		
" " Rake ...		
Carded or Boxed ...		

### COLOUR-PROOF SPONGE BAGS.

Assorted Art Shades, a Wonderful Seller.

Size 1. 4/6 doz. Size 3. 7/- doz. Size 5. 10/6 doz.  
" 2. 5/3 " " 4. 8/6 " " 6. 12/9 "

5% Discount. Cash with Order. Carriage Paid.

Monthly accounts opened if desired.

**H. J. LEE & CO.**  
Osborne Works, LANCASTER.

### Use CORRY'S Original TOBACCO LICE POWDER

for Cattle, Poultry and all Animals. No risks from Chill as by Washing.

Sold by all Chemist, 1/9 and 3/-

**FOOT ROT OINTMENT,** a speciality: 1 lb. size 1/6  
Write for List.

CORRY & CO., LTD., Shad Thames, London, S.E. 1.

The First and Original  
Brand, introduced in 1866.  
Beware of Imitations.

### MY PRICE STILL LOWEST! WHY PAY MORE?

GILLETTE BLADES—U.S.A. Made—(Not Army) ... 39/- per  
Packed 6 or 12. Reduction from 100 dozen.  
GILLETTE (Pattern) SAFETY RAZOR with BLADE ... 20/- per  
In neat Velvet-Lined Case—Vest Pocket Size.  
AUTO-STROP RAZOR SETS with 6 BLADES ... 7/6 each.  
AUTO-STROP and EVER READY BLADES only ... 2/9 per doz.

CASH WITH ORDER. REDUCTION FOR QUANTITIES.

LOUIS J. STAMBOIS (Dept. C.), 1 Chapeltown Rd, LEEDS



## NITs

**BINNS'S "Silver"  
NIT Comb (Unrivalled)**

Equally useful for removing  
NITs from the hair or as a  
Dust Comb for grown-ups.

Always look for this black on  
box containing Comb.  
NO COMB GENUINE WITHOUT IT.

The Comb of the moment for  
School Medical Inspection work.

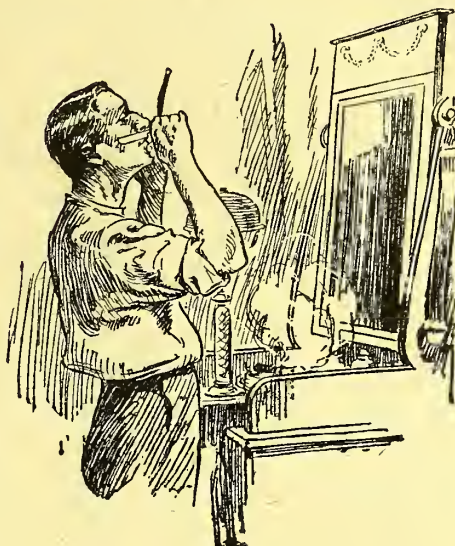
Send for particulars to the Sole Maker.

**GEO. A. BINNS, Archer St. Mills, HALIFAX.**  
SUPPORT BRITISH INDUSTRY. (The only address.)



# THE "ERASMIC" SHAVING STICK

Should be one of your leading lines.  
Can be recommended as the finest  
stick on the market. Now being  
advertised in the Leading Papers.



**PROFITS GOOD AND  
PRICES PROTECTED.**

**"ERASMIC," Perfumers, WARRINGTON.**

## Orisal<sup>Regd.</sup>

**The Original & Successful Remedy for PYORRHOEA**  
Prescribed by the Dental Profession.

PRICES.			
Wholesale (including Government Duty)		Retail	
Dental Paste	... 22/- per doz. "	6d.	2/6 per tube
Mouth Wash	... 44/- & 27/- "	1/-	5/- & 3/- " bottle
Special Brush	... 24/- per doz.	2/6	each
Dental Tooth Powder (Large Size)	18/- "	2/-	"

Of Wholesalers, or direct from  
**ORISAL Ltd., 77 George St., Portman Sq., W.1.**  
Telephone No.: Mayfair 2899.

**Re YOUNG & BARRACLOUGH, LTD.**  
(In Liquidation).

### Important Notice.

WILLIAM FOX & SONS, having purchased the  
stock of printed matter and the Registered  
Trade Mark rights to the well-known Brand

## "YOBAR,"

will be pleased to answer all enquiries and  
to execute all orders for the above firm's  
Packed Specialities.

**Wm. FOX & SONS**  
Wholesale Botanical Druggists  
Castle Street, SHEFFIELD.

# "IRISH ELEGANCE"

The Winning Perfume—Fragrance of Midsummer Roses. [Regd.]

In three sizes	Wholesale	Retail
Small ...	28/- doz.	3/6
Medium ...	48/- "	6/-
Large ...	168/- "	21/-

*Usual Trade Terms.*

PRODUCT OF

**The EVAN-WILLIAMS Co., Ltd.**

18-18a Ogle Street, London, W. 1.

**SHOWCARDS SUPPLIED.**

# DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

## Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
<b>PILENTA SOAP</b> - -	10/-	1/-
A complexion soap.		
<b>PROLACTUM</b> - -	10/-	1/-
For the lips.		
<b>PARSIDIUM JELLY</b> - -	10/-	1/-
For wrinkles.		
<b>ALLACITE of ORANGE</b>	22/6	2/6
A dressing cream. <b>BLOSSOM</b>		
<b>BORANIUM</b> - -	22/6	2/6
A hair tonic.		
<b>SILMERINE</b> - -	22/6	2/6
Hair curling fluid.		
<b>CLEMINITE</b> - -	22/6	2/6
For a face lotion.		
<b>COLLIANDUM</b> - -	22/6	2/6
For a face tint.		
<b>PERGOL</b> - -	22/6	2/6
A deodorant.		
<b>STALLAX</b> - -	22/6	2/6
For a shampoo.		
<b>JETTALINE</b> - -	31/6	3/6
For clearing the skin.		
<b>PHEMINOL</b> - -	36/-	4/-
A depilatory.		
<b>TEKKO PASTE</b> - -	22/6	2/6
Camphor cream.		
<b>MENNALINE</b> - -	36/-	4/-
For the eyelashes.		
<b>MERCOLIZED WAX</b> - -	31/6	3/6
A face cream.		
<b>STYMOL</b> - -	36/-	4/-
For oily complexions and blackheads.		
<b>BARSYDE</b> - -	22/6	2/6
Dandruff eradicator.		
<b>TAMMALITE</b> - -	22/6	2/6
For grey or faded hair.		
<b>LIQUID PERGOL</b> - -	31/6	3/6
To check excessive perspiration locally.		
<b>BICROLIUM</b> - -	22/6	2/6
For whitening the hands.		
<b>COCONOIDS</b> - -	31/6	3/6
For figure development.		
<b>HARAPOSA</b> - -	22/6	2/6
Nut oil shampoo.		

STOCKED BY ALL WHOLESALE HOUSES

### COLONIAL DEPOTS AND AGENCIES:

- AUSTRALIA:**  
ALL WHOLESALE, and  
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.
- SOUTH AFRICA:**  
LENNON, Ltd.  
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg).
- INDIA:**  
KEMP & CO., Ltd. (Bombay).  
THE INTERNATIONAL TRADING CO., Princess Street (Bombay).  
R. MACLURE (Madras).  
SMITH, STANISTREET & CO. (Calcutta).  
MEHTA BROS. (Calcutta).  
JAMNADAS BROS. (Bombay).
- NEW ZEALAND:**  
SHARLAND & CO., Ltd. (Auckland & Wellington).
- SOUTH AMERICA:**  
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

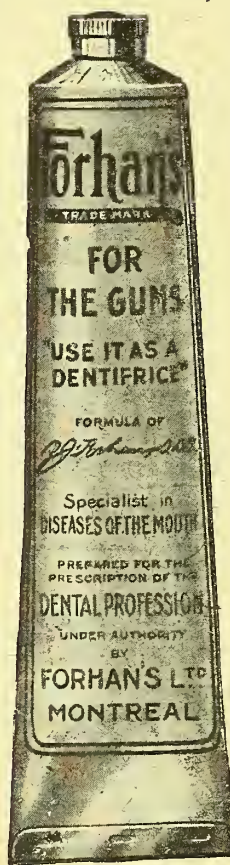
## 15,400,000 Forhan Messages in October

This incessant volume of Forhan advertising is performing two functions. It is bringing business to your shop, and it is awakening the public to the insidious menace of Pyorrhea.

Week in, week out, millions of readers are being told how pyorrhea attacks not only the teeth but the general health; how Forhan's For the Gums prevents pyorrhea if used in time; and checks its progress if the disease has already taken hold.

You will profit by the inevitable demand. Write us to-day for prices and trade information.

Thos. Christy & Co.,  
4-12 Old Swan Lane,  
London, E.C. 4.



# Forhan's

## FOR THE GUMS

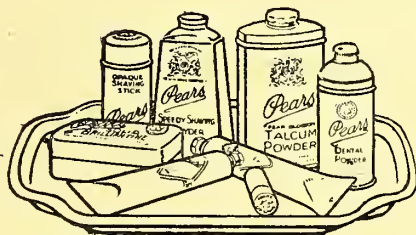


# Pears'

## GOLDEN SERIES

*is now supreme*

**T**he accumulated evidence of two years' ever increasing prosperity has definitely proved Pears' Golden Series the most remarkable success that has ever been achieved in the Trade. This is not boasting. We are delighted at such a triumph, of course, but we do not attempt to exaggerate it; the bare facts of ever increasing sales, even through one of the darkest periods of industrial history, are far more effective than any vague and vainglorious statements could possibly be



A. & F. PEARS, Ltd.,  
71-75, New Oxford St.,  
LONDON, W.C. 1.

## Sorbo Sponges bring the money rolling in.

The trade in Sorbo Sponges is not only a quick one. It is a sure trade and a safe trade. The public are steadily buying Sorbo Sponges in larger and larger quantities.

Sorbo Sponges are so inexpensive, so delightful to use and give such wonderful wear. They are the only sponges that soap improves. No woman can resist them.

Get in a good stock of assorted sizes and display them on your counter.

WRITE TO-DAY.



## Sorbo sponge

THE MOST ABSORBENT RUBBER SPONGE

Sorbo Sponges are packed in transparent hygienic bags to prevent contamination.

### RETAIL PRICES.

No. 1, 1/3; No. 2, 2/-; No. 3, 3/-; No. 4, 5/-.

Bath Sizes—No. 4R, 7/6; No. 5, 10/6

SORBO RUBBER-SPONGE PRODUCTS, Ltd., 24 Walbrook, London, E.C. 4.  
Telephone—City 9372. Telegrams—"Osorbeau London."

## BIDWELLS HAIR BRUSHES

ON SALE  
or RETURN



Nice Assortment  
Good Value  
Favourable Terms

Factories: AXMINSTER, DEVON.

## CROMESSOL

The Disinfecting Spray.

"Cromessol" is a unique combination of formaldehyde and the essential oils of sweet-scented flowers. It is a powerful germicide and fly exterminator, and the trade are advised to write for samples and special selling terms.

Co-efficiency  $6\frac{1}{2}$  times carbolic acid. Instantly soluble in water. Dilutes 1 in 40 for spraying. Contains no spirit. Retail prices 2/6 and 4/6, less  $33\frac{1}{3}\%$  Bonus with first order.

Read what the CHEMIST & DRUGGIST thinks of "Cromessol," in the issue of June 25.

For further particulars apply:

CROMESSOL CO.

323 PAISLEY ROAD WEST, GLASGOW.



# PAPIER POUDRÉ

TRADE

MARKS



"LEHCARESOR."

*Papier Poudre*

**British Made  
Goods.**

**Note our Trade  
Marks.**

*Beware of  
Spurious Imitations.*

REGISTERED



PAPIER POUDRÉ, LTD.  
46 Baker St., Portman Sq., London, W.1.  
and in Paris.

**WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d., and 1/4 size Booklets,  
2/8, 3/9, 5/- and 10/- per dozen net, respectively.**

**SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.**

NEAT MIRROR CASES, 1/6	...	...	...	...	...	...	13/9 per doz. net.
REFILLS to Mirror Cases in White, Rose or Rachel, 4d.	...	...	...	...	...	...	2/8 per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented), White only	...	...	...	...	...	...	5/- per doz. net.

## POPPCEA ROUGE

*A most popular line.*

(Regd.)

Made in booklet form. One size only, viz. 1/-, at 8/- per dozen net.  
Mirror Cases 1/6, at 13/9 per doz. Refills for same 6d., at 3/9 per doz. net.

**PAPIER POUDRÉ, Ltd., 46 BAKER STREET, PORTMAN SQ., LONDON, W.1**

# REUTER'S

## Super Series of CHINA DISPENSING POTS WITH FLANGED CELLULOID CAPS.

PRINTED WITH CUSTOMER'S OWN NAME.

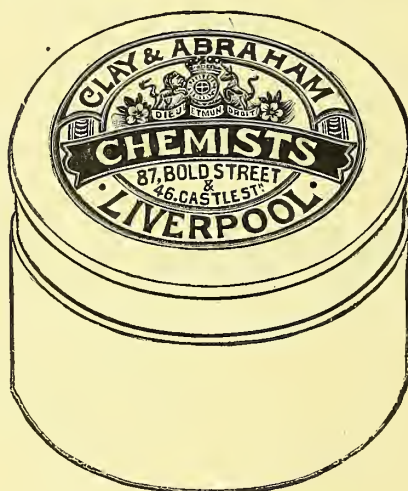
### SQUAT POTS.

Printed in	$\frac{1}{2}$ oz.	$\frac{3}{4}$ oz.	1 oz.	$1\frac{1}{2}$ oz.	2 oz.	$3\frac{1}{2}$ oz.	4 oz.	
Black ...	51/6	60/9	69/-	79/3	89/-	128/3	141/-	grs.
Black & Gold, or	} 54/-	64/-	72/6	84/-	94/6	134/3	147/6	„
Black & Red								
Black, Gold & Red	57/6	66/9	76/-	89/-	99/3	140/-	154/-	„

Artistic Design submitted for approval.

Minimum quantity  
300 Pots.

(not less than 100 of a size)



Acknowledged to be  
the Best Finished  
Pots on the Market.

### TALL POTS.

Printed in	5 grm.	10 grm.	15 grm.	20 grm.	30 grm.	50 grm.	
Black ...	27/6	32/6	40/-	47/6	54/-	61/-	grs.
Black & Gold, or	} 29/6	35/-	42/6	50/-	56/6	64/3	„
Black & Red							
Black, Gold & Red	31/-	37/3	45/-	51/9	60/-	67/6	„

Printed in	60 grm.	75 grm.	100 grm.	125 grm.	150 grm.	200 grm.	250 grm.	
Black ...	69/3	76/8	99/3	109/3	141/9	166/-	194/-	grs.
Black & Gold, or	} 72/6	81/-	104/-	114/3	146/9	172/6	201/-	„
Black & Red								
Black, Gold & Red	76/9	85/-	109/-	120/-	152/6	179/3	206/-	„

SPECIAL DISCOUNTS FOR LARGE QUANTITIES.

R. J. REUTER, 69 Carter Lane, London, E.C.4



**BAISS BROTHERS**



**& COMPANY, LTD.**

*Established 1833.*

**SEASON 1921-1922.**

New Designs and Attractive Showcards  
are now Ready.

# **EMULSION**

OF

# **COD LIVER OIL**

**with Hypophosphites.**

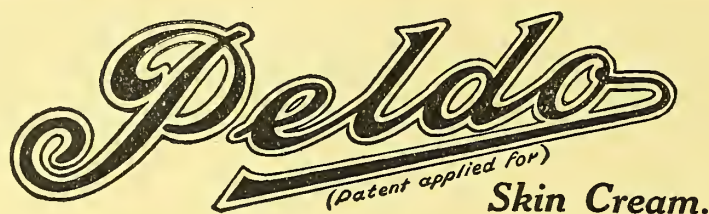
The Superiority of this Emulsion is well-known,  
and the prices assure a full margin of profit.  
All previous years' designs are available.

*WRITE FOR PARTICULARS.*

**BAISS BROTHERS**  
**AND COMPANY, LTD.**

*Wholesale & Export Druggists, Manufacturing  
Chemists & Makers of Surgical Instruments,*

**Grange Works, 174, 175, 176 GRANGE ROAD,  
BERMONDSEY, LONDON, S.E. 1.**



## USED FIRST, DEFIES DIRT.

The New Preparation which protects the hands from dirt is now being extensively advertised in the following papers :

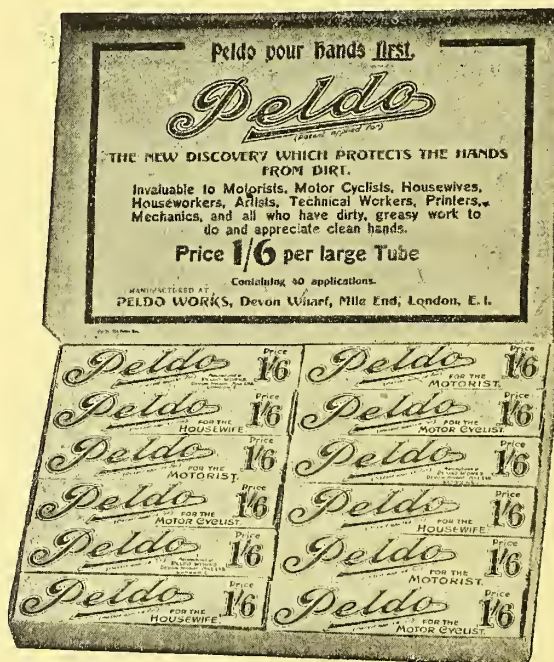
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 "THE MOTOR." "THE LIGHT CAR & CYCLE CAR."  
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In order to introduce  
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The most eminent Surgeons and Physicians prescribe  
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Write for WINDOW DISPLAY  
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*The*  
**CHEMIST & DRUGGIST**  
**DIARY - 1922**

54th YEAR OF PUBLICATION.

*Now in course of  
preparation.*



*Closing for press  
October 15, 1921.*

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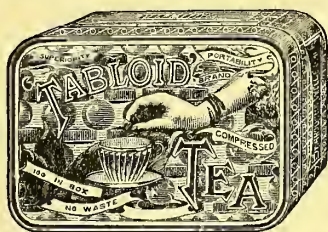
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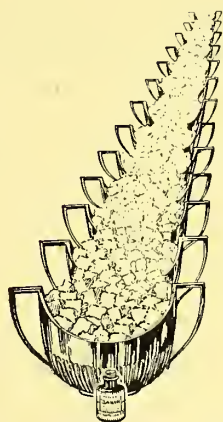


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**TEA**

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Made only from the finest portions of selected leaf.

Delightful in taste and aroma.



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The bottle of 500 illustrated is carried conveniently in the pocket. Its contents equal in sweetening power all the sugar—about 10½ lbs.

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Many of your customers have become appreciative users of 'TABLOID' TEA and 'SAXIN' on their holidays.

These products are just as convenient and economical to use in the household.

A window or counter display and a word in season will bring you continued and increased custom for them.

*'TABLOID' TEA, in boxes of 100,  
at 15/0 per doz. (subject).*

*Special Blend, in boxes of 100,  
at 18/0 per doz. (subject).*

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of 100, 200 and 500, at 16/0, 30/0  
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## SOAP AT SENSIBLE PRICES! Our Famous

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**BATH BRICKS.**

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3/3 dozen, or 36/- gross.

LILY OF THE VALLEY OATMEAL

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VIOLET

Showcards provided with orders for  
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The *Lancet* de-  
scribes it as

"Mr. Benger's  
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paration."

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**INFANTS**



**BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.**

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SHOWCARDS AND HANDBILLS ON APPLICATION.

The *British Medi-  
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has by its excel-  
lence established a  
reputation of its  
own."

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**THE AGED.**

**Don't neglect your Teeth!**

Bits of Tartar and stains from any cause which are allowed to remain on the teeth will in time eat into the dentine, causing decay and ill health.

Remove these stains and Tartar by using "ZEPTO" ANTISEPTIC PENCIL occasionally. This will leave your teeth "Pearly White."

**GOOD TEETH FOR 9d.**

"ZEPTO" sharpened like an ordinary pencil penetrates into all the crevices where a tooth brush cannot—removes tobacco stains and thoroughly cleans the plate of your false teeth.

Costs only 9d. and lasts many months.  
Don't delay, get one to-day.

At all Chemists or direct—  
**THOS. CHRISTY & Co.,**  
Old Swan Lane, London, E.C.4.

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So those who (and they must be mighty few) have never tried Zepto should get 6 dozen right now, along with display and participate in this good trade.

**5/3**

DOZ.

**ZEPTO**  
**PENCILS FOR**  
**PROFIT & SALES**

THOS. CHRISTY & Co., 4/12 OLD SWAN LANE, E.C.4.

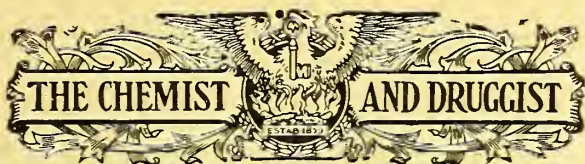
**9<sup>D.</sup>**

P.A.T.A.

Think what you miss, when the total readers of the *Daily Mail*, *Sketch* and *Mirror* alone are 3,415,969. Some of these who see the accompanying advertisement pass your window daily, and only want to see Zepto Pencils on view to bring them in to purchase.

As you know, a window show order bears you a profit of nearly cent. per cent. It is real good business to sell Zepto.





## A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES.

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 9d. post free; *Diary*, 2s. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martins Ltd."  
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## Known, Admitted, and Approved Remedies

FOLLOWING the practice which we started some years ago we propose to reserve space in the forthcoming issue of *The Chemist and Druggist Diary*, 1922, for the registration of formulas for "known, admitted, and approved remedies." Under the Medicine Stamp Act, 1812, such medicines, when sold by chemists, are exempt from medicine-stamp duty so long as the formulas are contained in recognised works of reference and proprietary rights are not claimed. A clear indication must be given on the label of the medicine to the published formula as evidence that the medicine is of the kind to which the exemption refers. *The Chemist and Druggist Diary* was the first book of reference recognised by the Board of Customs and Excise, after the British Pharmacopœia, and the *Diary*, being published periodically, affords an exceptional opportunity for chemists to add any fresh formulas for medicines coming within the definition of "known, admitted, and approved remedies." Chemists who desire to take advantage of this arrangement should forward true copies of the formulas with the titles and directions for use so that we can include these in the *Diary*. We shall attach the correct reference numbers to the formulas when they are published. The formulas, which must be written on one side of the paper only, should be sent not later than October 15, addressed to the Editor, C. & D., 42 Cannon Street, London, E.C. 4.

## English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### Public Institution News

The Blackburn Guardians have granted an increase of 10% per annum in the salary of Mr. J. Holden, chemist and druggist, their dispenser.

Mr. Frank Purse, chemist and druggist, senior assistant at University College Hospital Dispensary, has been appointed pharmacist to the Leicester Royal Infirmary.

Since "war" contracts ended, wholesale houses have been giving their particular attention to hospitals and institutions. The amount of drugs and sundries used at Poor-law institutions and others of similar scope is scarcely realised: at a London infirmary, for example, the medical requirements make a four-figure amount yearly.

At a meeting of the Milton Regis Guardians on September 14, a member raised the question of advertising for the supply of chemists' goods. Another member said that he thought it only fair that all should have a chance. The master explained the difficulty of getting chemists to stock and quote for an article that might not be required, and said he sent each chemist a list of things likely to be wanted.

A tender-form sent out by the Cambridge education committee includes some quaint items, the most singular of which, perhaps, is "picric acid—pure—per pint." Corks for 6-oz. bottles are to be quoted for by the dozen, and such descriptions as "zinc and starch powder" or "nail brushes" leave something to be desired. It would be interesting to know what the lowest tender is for "sol. zinci sulph. (1 gr. to oz.)—6 oz."

The memorandum on the Dangerous Drugs Act issued by the Public Pharmacists' Association is much appreciated by members, who received a copy this week. For those who do not want many calculations, there is nothing to beat the C. & D. Dangerous Drugs Act card; the new card to be issued with information for doctors will, no doubt, prove very useful to the medical staffs in hospitals. A census of prescriptions taken, last week, at a large hospital, showed that of 500 dispensed only two required registration under the Regulations. At eye hospitals the proportion may be larger, on account of the issuing of cocaine-and-homatropine drops, etc.

### The British Chemical Trade Association

A copy of the list of products scheduled under Part I. of the Safeguarding of Industries Act was posted to every member on the day of issue. The Association has been in close touch with the authorities in connection with this Act, and a bulletin has been issued fully explaining the list. A detailed explanation of the correct interpretation of the official meaning of the inclusion of certain heavy products that have been marked in the list with an "R" is given, and should clear away any doubts that may arise as to what is "pure" and what is not. The article gives detailed information on the procedure to be followed by importers bringing in goods scheduled under the Act, and much other useful information. Members are invited to either ring up or write to the Association on any point of doubt connected with this matter, and a reply will be given without delay. The Association is carefully reviewing the list with a view of protesting against the inclusion of certain products which are not considered as coming under the schedule of the Act. Any member who is of the opinion that a certain product should be deleted from the list is earnestly requested to communicate with the secretary without delay, when the matter will be taken up by the Association and submitted to the Board of Trade. The Association's annual general meeting will be held in London on October 18.

### Birmingham

"Watch the clock" is the slogan of a stationery (but not stationary) firm, which places a new bargain in the window near this clock as every hour comes round.



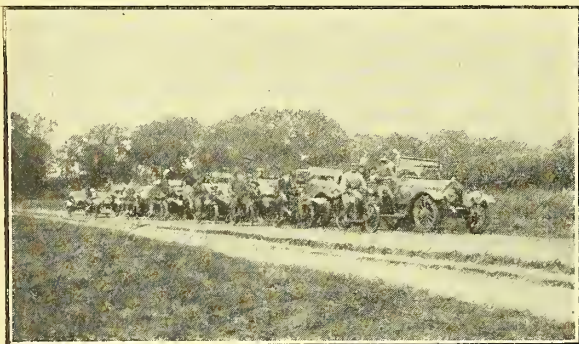
In passing through certain areas of this city one can distinctly recognise nitrous fumes by their odour; one wonders if any of the authorities charged with the supervision of the city's health ever make the same journey.

Once upon a time it was understood that if it was possible for officials of the Post Office to discover the addressee of a letter it would be done; but now there are many complaints that letters are laid aside and considered "dead."

Miss D. M. H. Alcock, daughter of Mr. F. H. Alcock, F.I.C., Ph.C., has completed a three years' course at Girton College, Cambridge, and has been appointed classics mistress and director of geographical studies at the High School for Girls, Wantage.

We are informed by Dr. Sumpner, principal of the Municipal Technical School, that a news item appearing in our issue of September 10 (p. 34), to the effect that the pharmacy section is full, is incorrect. Vacancies still occur in full-time and part-time pharmaceutical courses, and at present no register of students is being prepared for next year.

An interesting collection of specimens, arranged by Dr. Newton Friend, is being shown this week at the Municipal Technical School in connection with the conference of the Institute of Metals. The effect of distilled water, alone and with agar-agar, egg albumen, and other colloids on metals is strikingly demonstrated. The ferroxyl-test of Cushman & Walker, dendritic forms of lead, and the action of steam on copper and its oxides were among other features. A curious exhibit consisted of a weak solution of sodium silicate in a glass vessel, at the bottom of which white sand was placed. Crystals of various salts were dropped into the solution, and were seen to grow upwards from the sand in the form of spires and so forth.



BIRMINGHAM PHARMACISTS' MOTOR CLUB,  
on September 11, at Stratford-on-Avon.

### Liverpool

Mr. E. G. Hodges, the veteran *locum tenens*, is spending in South Wales the first vacation he has been able to obtain this year.

The secretary of the Liverpool Chemists' Association (Mr. J. L. Hirst) has inquiries from students who desire to be apprenticed in Liverpool.

Pharmacists report unnecessary delay in acknowledging cheques sent to distant firms. The marking of cheques "Not negotiable" is desirable.

This appears to be "perfume week," a flush of travellers from perfumery firms competing in Liverpool for orders. It has been suggested that a special excursion train might be run for their benefit!

By pure coincidence, Mrs. Patrick Campbell had among her audience at the Playhouse, on a single night last week, a past-President, a Vice-President, the secretary, and the treasurer of the Liverpool Chemists' Association, with several members of the Council and their wives.

Since January 1 there has been a remarkable decrease in the number of passengers carried on the Liverpool tramways, but owing to the increase of the minimum

fare (to 2d.), the receipts for the same period are higher than those of the corresponding period last year.

A further party of managers of Boots, Ltd., left for a trip to the New York and Boston branches of the United Drug Co. on September 16. The tourists comprised: Mr. H. B. Holthouse (manufacturing dept.), Major Knowles (welfare dept.), and Messrs. Teale, Richardson, and Owen (territorial general managers of Boots' branches for the Nottingham, Yorkshire, and North Wales districts respectively). Prior to their departure from Liverpool on the White Star liner *Cedric*, they were entertained by the Liverpool branch of the Rexall Co.

The Merseyside and Southport Pharmaceutical Free-masons met at the Carlton Hall on September 15 and selected officers for 1921-22 as follows: *Chairman*, Bro. John Jones (of W. & J. F. Ferguson); *Vice-Chairman*, W. Bro. D. Roger Rowlands (Birkenhead); *Committee*: Bros. Harold Wyatt, J.P. (Bootle), J. C. Caine (Birkenhead), W. H. Smith (Southport), J. Nicholson; *Treasurer*: Bro. W. J. Williams (Liverpool); *Secretary*: Bro. R. G. Govier (Wallasey). A smoking concert at the Carlton Hall on October 12 will inaugurate the session: the function will be open to ladies.

### Manchester

Mrs. Woolley, wife of Mr. E. J. Woolley, managing director of James Woolley, Sons & Co., Ltd., has recently joined the board of directors.

A local wholesale house has taken over a large shop in the busiest part of Deansgate. It is to be fitted up and stocked as a surgical-appliance department.

The many friends of Mr. J. H. Nidd, Rochdale Road, will be pleased to learn that Mrs. Nidd is recovering favourably after an operation. Mrs. Nidd has made excellent progress, and hopes to go to the seaside in due course in order to recuperate.

Mr. W. G. Dennis, chemist and druggist, has acquired the business of Mr. Joseph Turton, chemist and druggist, 76 Shakspeare Street. Mr. Turton has removed to Llandudno, for health reasons, and is opening a new pharmacy there after a while.

Ayrton, Saunders & Co., Ltd., Liverpool, have taken a stock-room at the Deansgate Hotel, Manchester, for a few days. Mr. C. Brown, pharmacist, is in charge, and has an excellent assortment of sundries, one of the main features being a display of manicure-sets.

Pharmacist golfers turned out in force on September 14 to take part in the first competition for the Woolley challenge trophy. The competition was arranged by the Manchester and District Pharmaceutical Golfing Society, and was held on the course of the Chorlton Golf Club. Weather conditions were not too favourable to start with; but, fortunately, they improved as the day advanced, and only a few of the earlier players encountered a storm of wind and rain that blew up. Twenty cards were returned and the leading scores were:

J. A. Collins	...	92-10=82
(winner)	75-1=74	W. J. Gardner 102-18=84
E. N. Fox	... 94-15=79	T. O. Owens ... 89-4=85
E. R. Potts	... 88-8=80	A. H. Turner ... 97-12=85
R. G. Edwards	92-11=81	E. S. Bury ... 103-18=85

The trophy, a handsome silver rose-bowl mounted on an ebony pedestal, was presented to the winner, together with a silver ash-tray as a memento prize, by Mr. E. J. Woolley, chairman of James Woolley, Sons & Co., Ltd., the donors of the trophy. Mr. Woolley spoke of the long and close connection his family had with the Manchester Pharmaceutical Association from the time of his grandfather to the present, and added that the Golfing Society served a very useful purpose in promoting fellowship among the members. An enthusiastic vote of thanks was accorded to Mr. Woolley for presenting the prize, and to the company for awarding the trophy. The President (Mr. A. J. Pidd) afterwards entertained the players and their friends to tea. The competition was greatly enjoyed by all who took part in it. (For particulars of the next competition see *C. & D.*, September 10, p. 34.)



## Miscellaneous

**COCAINE TRAFFIC CONTINUES.**—At Marlborough Street Police Court, London, on September 16, William Henry Stewart was sentenced to six months' hard labour for supplying cocaine to an unauthorised person, a cripple, who stated in evidence that she was handed from ten to twenty "packets" at a time for sale at 5s. each.

**MANUFACTURE OF WHITE COMPOUNDS OF LEAD.**—It is announced that new Regulations made by the Home Secretary, under Section 79 of the Factory and Workshop Act, 1901, in respect of certain white compounds of lead (*C. & D.*, July 23, p. 39) come into force on October 1. Copies of the Regulations can be purchased in the usual manner.

**WAGES DISPUTE.**—Negotiations between employers' and workers' representatives on the Soap and Candle Trades Joint Industrial Council, on the proposed reductions in wages, have come to a deadlock. The proposed cuts in pay range from 4s. to 11s. a week, and 50,000 workers are involved. The union delegates meet again on September 25 after reporting to their respective centres.

**COST OF LIVING.**—It is estimated in "The Labour Gazette" that, on September 1, the average level of retail prices of all the commodities taken into account in Ministry of Labour statistics was 120 per cent. above that of July 1914, as compared with 122 per cent. on August 2 and 176 per cent. on November 1, 1920. These figures are being challenged, from different points of view, by distributive traders and by labour organisations.

**TRADE BOARDS INQUIRY.**—The Minister of Labour has appointed a committee, with Viscount Cave as chairman, to inquire into the working of trade boards, with a view to facilitating the settlement of differences between employers and employed. The other members of the Committee are: Lord Weir of Eastwood, Dame Adelaide Anderson, Dame Edith Lyttelton, Mr. James Bell, M.P., Mr. W. T. Layton, Sir Arthur Pease, Mr. E. L. Poulton, Mr. A. Pugh, and Mr. A. MacCallum Scott, M.P. Mr. H. D. Hancock, Ministry of Labour, Whitehall, London, S.W. 1, will act as secretary.

## Scottish News

### Brevities

Mr. A. G. Adamson, chemist and druggist, Kirkcaldy, has been elected a patron of the Fife Free Press Shield.

Munro, McLaren & Sutherland, 17 Cadogan Street, Glasgow, have been appointed sole agents for Scotland for Palmolive preparations.

Mr. D. Buchanan, chemist and druggist, Kirriemuir, has disposed of his business to Mr. Thomas Martin. This business was established by Mr. Buchanan in 1874.

During the recent meeting of the British Association for the Advancement of Science the members visited the laboratories of Duncan, Flockhart & Co., 104-8 Holyrood Road, who issued, for the occasion, a brochure illustrating various sections of their works, the pharma-farm at Warriston, and the London offices, in addition to well-known medical landmarks in Edinburgh.

The work of Messrs. J. B. McLaren, chemist and druggist, and Peter Fenton, F.C.S., chemist and druggist, President and secretary respectively of the Fifeshire branch of the Scottish Pharmaceutical Federation, in fighting for the lessening or removal of the restrictions originally proposed under the Dangerous Drugs Act, is recognised in an article in "The Kirkcaldy Times" of September 14.

On September 13 the members of the Glasgow branch of the Federation of Ucalites and their wives had an enjoyable charabanc excursion. Leaving Glasgow shortly after two o'clock, the company motored to Aberfoyle and Loch Ard. High tea was served in the Bailie Nicol Jarvie Hotel, and the company was photographed. The return journey was made via Lake of Monteith, Killearn, and the Blane Valley. This, the first outing arranged under Ucal branch auspices, was voted a great success.

## Poisonings

The following cases of suicide by poisoning have been recorded since our last report: Frances Perryman, Acton (with lysol); Edwin J. Farmer, rate collector, Shifnal, and William Atkinson, veterinary surgeon, Liverpool (with hydrocyanic acid); Leonie E. Paterson, Hackney (with oxalic acid). In the last-mentioned case the coroner remarked that "oxalic acid is a poison which can be bought over the counter, and obtained even by a child without the giving of a name." An inquest was held in Chelsea, on September 21, on the body of Mr. Walter George Ridewood, who, the evidence showed, had been engaged in scientific research. He was found dead in bed on September 19, and a bottle containing potassium cyanide was in his room. Dr. Robert Donaldson, St. George's Hospital, certified that death was due to asphyxia from potassium-cyanide poisoning. After pointing out that Mr. Ridewood held a degree from the University of London, and had been a lecturer at St. Mary's Hospital, the coroner said that the case was difficult to understand. He recorded a verdict of "Suicide."

An inquest was held in Birmingham, on September 14, on the body of Florence L. Skudder, wife of a motor-driver, whose death was attributed to an overdose of chlorodyne. It appeared that undiluted chlorodyne had been found in an egg-cup in the bedroom of the deceased. In recording a "Misadventure" verdict, the coroner observed that there was always a tendency, when people got hold of a medicine which was doing them good, to overdo the dosing. They reasoned that if one lot did them good, twice the amount would do even better. Chlorodyne was a narcotic drug which very often relieved the distress of coughing in its own way and at a price.

The acting-coroner for the Marylebone district of London concluded, on September 20, an inquest on the body of Dr. R. W. Allen, Harley Street, W. 1 (*C. & D.*, September 3, p. 41). Mr. John Webster, senior analyst to the Home Office, deposed to finding morphine in the organs of the deceased and adhering to certain hypodermic syringes. Before recording a verdict to the effect that death was due to misadventure, the acting-coroner commented on the unhappy termination of a brilliant career. He added: "... the self-administration of drugs hypodermically, whether by doctors to themselves or by others to themselves, is a practice which is fraught with the utmost danger. The system readily tolerates large quantities without immediate danger to life, but the inevitable result must be progressive degeneration of the mental and moral faculties, reckless carelessness too often follows, and a fatal overdose terminates the scene."

An inquest was held at Powick Asylum, on September 15, on the bodies of George A. Newman, Worcester; John Jones, Tenbury; and Herbert Beasley, Oldbury, inmates of the asylum. Dr. H. F. Fenton, medical superintendent, stated in evidence that on the day in question he noticed that the men and six others were suffering from belladonna poisoning, two of them being already in a state of coma. He administered antidotes, and sent for Dr. Alexander O'Flaherty, who had been at the hospital for two days previously in the capacity of *locum tenens*. The bottles from which the men had had draughts were examined, and the smell indicated a preparation containing belladonna. "From previous experience of his services," continued Dr. Fenton, "I regard Dr. O'Flaherty as a most experienced, reliable, and skilful doctor, and even now I have no cause to withdraw that opinion." Witness produced the bottles which had contained belladonna and cascara preparations respectively, and they were exactly similar except that the preparation of belladonna was labelled "Poison." Dr. O'Flaherty said that he mixed nine doses of what he thought to be glycerin and cascara, but they must have been glycerin and belladonna. The Coroner: Do you admit that you made a mistake?—Yes, sir. I never expected that belladonna would be there with castor oil and simple things like that; it never occurred to me there was anything poisonous in the row of bottles. The jury returned a verdict of "Death by misadventure."



## Colonial and Foreign News

DR. BARAGIOLA, the cantonal chemist of Zurich, draws the attention of Swiss pharmacists to the fact that alcohol which contains vanillin is being offered for sale. This is due to the fact that alcohol is being prepared by fermentation from fruit; but the distillate is not sufficiently rectified, and so to mask the taste and smell of the resulting impure alcohol a small amount of vanillin is added.

**DANISH PHARMACY LEGISLATION.**—It is proposed thoroughly to revise the laws in Denmark relating to the control of the pharmacy system, and the Minister of Justice has applied to the Apotekar Forening and the Farmaceut Forening—the associations of the pharmacy owners and of the assistants respectively—for their views. One amendment may permit anyone who has qualified as a pharmacist to establish a pharmacy, subject to State control over prices and qualities.

**SOMETHING LIKE A DUTY.**—In accordance with an order of the Ministers of Finance and of Commerce, the duties mentioned in the Customs tariff will be increased 150 times higher than the rate stated in the tariff for ordinary goods imported into Poland, while the increase will be 200-fold for all goods classed as "luxuries" in the Polish decree of May 17, 1921. This order was published in the "Monitor Polski" of July 14, 1921, and for goods in transit these new rates will not be applicable until a month after the enforcement of this order.

**NEGOTIATIONS** for an eight-hours' day for Spanish pharmacies have been carried on between the Government and the National Pharmaceutical Association, and have resulted in a marked success for the latter. A Royal decree has now placed the power to establish shop hours in day-time and at night, as well as the hours of work among the *personnel*, in the hands of the local *Colegio*, or official organisation of the profession. Pharmaceutical assistants living in will do ten hours' work daily, while the eight-hours' day will apply to outdoor assistants. The latter may put in an extra two hours' work at a special remuneration on the basis fixed by law. The shop hours in Madrid have been fixed at 9 A.M. to 9 P.M. on weekdays, and from 9 A.M. to 2 P.M. on Sundays, while night duty, and additional Sunday duty, will be undertaken by certain pharmacies, in the ratio of one pharmacy for every seven that are closed; the open pharmacies to be arranged according to districts and to suit public convenience. Pharmacies closed in accordance with this arrangement are forbidden to supply during the period of closure. The pharmacies available to the public outside the hours of closure are to be announced to the public; in addition each pharmacy must exhibit a sign stating what pharmacies are available during the night, or when the one in question is closed.

**GREAT EXPLOSION IN GERMANY.**—What probably is the most terrible industrial disaster on record occurred at Oppau, on the left bank of the Rhine, near Mannheim, on September 21, in one of the works of the great chemical manufactory, the Badische Anilin- und Soda-Fabrik, at which during the war the Germans made poison and asphyxiating gas, but which has now reverted to its ordinary descriptions of output, including vast quantities of nitrogen compounds for agricultural fertilising purposes. Early in the morning, while the works were in full activity, a terrific explosion occurred in one of the laboratories. It is stated that the 800 men working therein were all killed instantly. Other explosions followed, wrecking the village and causing widespread damage to Mannheim, Ludwigshafen, and other neighbouring towns. The effects of the detonation were felt at Frankfurt, thirty-seven miles distant. It is to be feared that the loss of life is enormous, for not only have the Badische works been devastated, but the town of Oppau itself appears to have been at least partially destroyed. A telegram received in Paris on Wednesday places the death roll as high as 1,000, while many thousands were injured. It is added that large pieces of metal and material rained down on Mannheim, killing one person and injuring fifty-five, many seriously.

## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office**

**HARRIES & MORRIS (CHEMISTS), LTD. (P.C.).**—Capital, 500*l*. Objects: To carry on the business of chemists, druggists, etc. R.O.: 199A High Street, Swansea.

**COLIN CAMPBELL & Co. (LONDON), LTD. (P.C.).**—Capital, 10,000*l*. Objects: To carry on the business of glass merchants, dealers in bottles, jars, receptacles and containers, medical glass, earthenware, etc. R.O.: 70-71 Chiswell Street, London, E.C.

**FLETCHER'S PHARMACY, LTD. (P.C.).**—Capital, 500*l*. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are: P. Hipps, 50 Kent Road, Harrogate, and M. Fletcher, 166-168 North Street, Leeds. R.O.: 166-168 North Street, Leeds.

**CARMOL, LTD. (P.C.).**—Capital, 1,000*l*. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The governing directors are: A. S. Price, 181 High Street, Blackheath, Birmingham, chemist, and R. T. Tiplady, 12 Bowkers Row, Bolton. R.O.: 181 High Street, Blackheath, Birmingham.

**W. DALBY, LTD. (P.C.).**—Capital, 1,000*l*. Objects: To carry on the business of wholesale and retail chemists, druggists, opticians, photographic supplies dealers, extractors and adaptors of teeth, stationers, etc. The first directors are: W. Dalby, 167 Charnwood Street, Leicester, and K. C. Biggs, 51 Highfield Street, Leicester. R.O.: 167 Charnwood Street, Leicester.

**DYNAZONE, LTD. (P.C.).**—Capital, 2,000*l*. Objects: To acquire the right, title, and interest of C. Scott in the proprietary preparation known as "Dyazone," and to carry on the business of manufacturers of and dealers in proprietary articles, chemists, druggists, etc. The first directors are: J. E. H. Kirkwood, 49 Leinster Gardens, London, W. 2, and Mrs. E. Greenham, 20 Doneraile Street, London, S.W. 6.

**A. MACNAIR & Co., LTD. (P.C.).**—Capital, 20,000*l*. Objects: To carry on the business of oil, colour, shellac, and methylated-spirit merchants, drysalters, distillers, and licensees to deal in wines and spirits, and makers of British wines. The first directors are: A. Macnair (chairman and managing director), The Shanty, Marple, Cheshire; and A. S. Macnair, The Shanty, Marple, Cheshire.

**NICE FLORE EXPORT, LTD. (P.C.).**—Capital, 100*l*. Objects: To sell and dispose of the products of the "Nice Flore Export, Ltd.," and to carry on the business of growers or manufacturers of flowers, flower-powders, essences, eau de Cologne, perfumes, perfume-powders, etc. The first directors are: Lucien Chenantais and Georges Varounis. R.O.: 13 Vincent Square, Westminster, London, S.W. 1.

**PARKE'S DRUG STORES, LTD.,** announce the payment of a preference dividend on September 20, for the five months ended August 31, at the rate of 6 per cent. per annum, less income-tax.

**THE CHINAWAYS SYPHON Co., LTD.**—A general meeting will be held at 120 Pratt Street, Camden Town, London, N.W. 1, on October 20, for the purpose of receiving the liquidator's report.

**MAGADI SODA Co., LTD.**—The report for 1920 shows a debit balance for the year of 159,327*l*., including 49,342*l*. as provision for depreciation. This makes with the 197,731*l*. brought forward a total debit balance of 357,058*l*. The operations in Kenya have, the report states, continued without material interruption. The directors feel satisfied from the results already obtained from the initial working of the various sections of the plant that the latter is capable of producing soda ash of the finest quality. Shipments are being made in increasing quantities, and the reception accorded to them by consumers has been favourable. The directors state that the War Office has definitely refused to recognise the company's claim for compensation for military use of the Magadi Railway and water supply during the war.



## Pharmaceutical Society of Great Britain

### PHARMACY STUDENTS IN INSTITUTIONS

THE following particulars are required to be supplied by public institutions applying for recognition of practical training under the Regulations for the Qualifying examination.

1. Name, address, and age of student.
2. Whether applicant has been registered as an "apprentice or student" under the Society's Regulations.
3. The nature of the institution at which the training is to be taken, i.e. whether a general or special hospital.
4. Particulars of staff employed in the dispensary.
5. Whether the student is bound by any indenture of apprenticeship or other agreement, and, if so, whether bound to the institution or to the pharmacist in charge of the dispensary. Premium (if any).
6. Hours per week in which the student will be engaged at the dispensary.
7. Amount of dispensing carried on (a) indoors, (b) outdoors. Extent to which galenicals are made in dispensary.
8. Number of students taken at any one time.

## Pharmaceutical Society of Ireland

### Council-meeting

A MEETING of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on September 13, Mr. J. E. Connor, J.P. (President), in the chair. The following members of the Council were also present: Dr. A. J. Barnes (Vice-President), Messrs. G. D. Beggs, J.P. (treasurer), A. H. Oliphant, G. A. McLean Lee, Wm. J. Hardy, Thos. Frederick Storey, John Smith, D. M. Watson, and S. Suffern.

The Registrar submitted communications from Mr. R. Blair, Mr. W. F. Wells, and Mr. H. Lancashire, J.P., expressing regret at their inability to attend.

### DEATH OF AN EXAMINER

THE PRESIDENT referred to the death of Mr. George Ebrill, B.A., examiner for the Society in pharmaceutical and general chemistry, and to the loss which the Society had sustained by his demise. He had been one of their examiners for the past three years; he had conducted their examinations to their utmost satisfaction, and they much regretted his death. He was sure that it was the wish of the Council that a vote of condolence should be sent to his relatives. He therefore proposed it.

Dr. BARNES seconded. He said he had known Mr. Ebrill very well personally, and he agreed with the President that the Society had suffered a distinct loss. He was a most able examiner. He had been a very brilliant student, and was chief assistant to the Professor of Chemistry in the National University.

The vote of condolence was passed in silence, the members standing.

### PRELIMINARY REGISTRATION

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:

Mr. W. P. Eaton, The Medical Hall, Croom; co. Limerick; Mr. J. Fuller, 31 Washington Street, Cork; Mr. John Murphy, The Pharmacy, Castleisland, co. Kerry; Mr. Nicholas Purcell, Black Mill Street, Kilkenny; and Mr. Albert J. Walmsley, I. Vergemount Hall, Clonskeagh.

### CHANGES OF ADDRESS

Communications were submitted from the following, notifying changes of address:

Mr. Wm. E. Briggs, Ph.C., to 2 Church Buildings, Arklow, co. Wicklow; Dr. R. S. Conyngham, Ph.C., to The Nook, Snaith, Yorkshire; Mr. Thos. J. Burke, Ph.C., to 17 Main Street, Cavan; Mr. W. B. Conyngham, Ph.C., to 26 Belgrave Square, E. Monkstown, co. Dublin; Mr. Patrick Kearney, Ph.C., to 189 Emmett Road, Inchicore, Dublin; Mr. P. J. D'Arcy, Ph.C., to Lygett Drug Stores, 200 Broadway, New York, U.S.A.; Mr. J. D. McClelland, Ph.C., to

The Medical Hall, Randalstown, co. Antrim; Mr. R. A. Lennon Wilson, Ph.C., to Leinster Pharmacy, Borris, co. Carlow; Mr. S. R. Hamilton, R.D., to 5 Belview Avenue, Derry; and Mr. W. J. McMitchell, R.D., to 27 Coverdale Road, Carterknowle, Sheffield.

### SEALING OF PHARMACEUTICAL LICENCES

On the motion of Dr. BARNES, seconded by Mr. WATSON, the sealing was authorised of the Pharmaceutical Licences of the following:

T. Byrne, P. J. Farrell, S. G. Fyffe, S. Irwin, M. J. Larkin, H. T. McClelland, Marguerita M. Murray, A. O'Malley, E. T. Ryan, W. R. Thornhill, P. Walsh, R. J. Watterson, L. J. Woodside, and Annie E. Wright.

### ELECTIONS AND NOMINATIONS

Mr. D. C. Slattery, Ph.C., Thomastown Medical Hall, Thomastown, was elected as a member, and Mr. J. L. McKernan, R.D., 13 Duke Street, Warrenpoint, co. Down, was elected as an Associate Druggist.

The following were nominated for membership:

Mr. J. F. Costello, Ph.C., Greely's Medical Hall, Galway; Mr. E. McManus, Ph.C., The Medical Hall, Lisnaskea, co. Fermanagh; and Mr. John Madden, Ph.C., Modern Pharmacy, The Square, Skibbereen; and Mr. W. J. Cloherty, R.D., Greely's Medical Hall, Galway, was nominated as an associate druggist.

### SCRUTINEERS OF THE BALLOT

Mr. V. E. Hanna and Mr. A. H. Oliphant were appointed scrutineers of the ballot.

### REPORTS

Reports were received from the Law Committee and the House Committee.

The Registrar submitted reports from the Examiners upon the Preliminary, Pharmaceutical Licence, the Pharmaceutical Assistant, and the Registered Druggist examinations. For the Preliminary examination forty-five candidates presented themselves, of whom twenty-one passed, one with honours. For the Pharmaceutical Licence examination thirty-one candidates presented themselves, of whom fourteen passed, four with honours. For the Pharmaceutical Assistant examination five candidates presented themselves, of whom two passed. For the Registered Druggist examination ten candidates presented themselves, six of whom passed.

The Registrar read a letter which had been sent by one of the girl candidates to an examiner for the Preliminary examination. It was:

I am a candidate for the Pharmaceutical examination which has been held to-day and yesterday. Would you please do me a favour by giving me a pass in algebra? My examination number is 34, and as I have an appointment awaiting me if I pass, I hope you will oblige. (Laughter.)

THE REGISTRAR stated that the candidate had passed in algebra, but she had not passed the examination.

MR. BEGGS: It is the most barefaced thing I ever heard.

THE REGISTRAR: One of the examiners told me that he had letters from two or three people.

ON and after September 26 the telephone number of P. Samuelson & Co., essential-oil importers, 27 Mincing Lane, London, E.C. 3, will be "Minorities 1660."

IN THE DUTCH EAST INDIES pharmacists holding a foreign qualification may exercise their profession, provided they pass the practical examination only in pharmacy in the colony.

MR. GEORGE H. COOPER, chemist and druggist, has acquired the business of Mr. T. C. Crawhall, chemist and druggist, St. George's Terrace, West Jesmond, Newcastle-on-Tyne. The transfer was effected by Thos. Tomlinson & Son, chemists' valuers, 45A Market Street, Manchester.

THE Postmaster-General announces that uninsured parcels are now accepted by the Post Office for transmission to Esthonia and to Latvia. The postage rates for both of the countries mentioned are 2s. 9d., 3s., and 3s. 6d. for parcels not exceeding 3, 7, and 11 lb. in weight respectively.



## D.D.A. Card for Prescribers

As announced last week, we have, in response to requests from subscribers, prepared a Dangerous Drugs Act card specially for prescribers. It is quite distinct from the card which we have issued for chemists' use, and of which many thousands have been sold within the past few weeks. The purpose of the Prescribers' Card is to supply medical men, and also dentists and veterinary surgeons, with information in a concise form regarding the Dangerous Drugs Act Regulations, so that they will know exactly what formalities are needed when prescribing "dangerous" drugs. We give below the wording of the card so that chemists may judge whether the card is suitable for distribution to local practitioners. The "Notes for Prescribers" are intended to show the limits of cocaine, diamorphine, morphine, and opium that can be ordered without bringing the prescription within the Dangerous Drugs Act. In this case we have adopted the C. & D. "safety" limits, which have been especially devised so as not to bring the quantities too near the limits laid down in the Act. We believe that the card will not only assist medical men to acquire a knowledge of the Regulations governing the supply of "dangerous" drugs, but that it will facilitate chemists' dispensing by doing away with informal prescriptions, and on this account we suggest that chemists, either individually or through local Associations or Pharmaceutical Committees,

should distribute the cards freely, so that each practitioner can carry a copy with him and also keep one in his consulting-room for easy reference. The cards measure 7 in. x 3½ in., and are printed on both sides. Two small holes at the top can be corded so that the card can be suspended. Each card is placed in a specially made envelope, so that with the name and address of the practitioner it can be delivered by hand or sent by post at "Printed Matter" rate. There is sufficient space on the top of the card for the chemist to place his prescription stamp, and it has been suggested that to this might be added the telephone number. We are selling the cards at a cheap rate, and to save unnecessary labour they are only sold in the minimum quantity of one dozen. The cards will be supplied at the following prices (including envelopes), post free or carriage paid, *for cash with order*:

One dozen cards (minimum quantity)	...	s.	d.
Three dozen	...	1	6
Twelve dozen and over	... (per dozen)	4	0
		1	3

We shall have these on sale at 42 Cannon Street, London, E.C., on Friday, September 23, when the numerous orders already received will be despatched.

We shall be glad to send a free sample of the Prescribers' Card to any of our subscribers who send us 1d. stamp for postage.

### Summary of Regulations made under Sections 3 and 7, APPLYING TO PRESCRIBERS, which came into force September 1, 1921.

The Drugs to which the Regulations apply are: **Morphine, cocaine, ecgonine, and diamorphine** (commonly known as heroin), and their respective salts, and **medicinal opium**, and any preparations and substances containing not less than one-fifth per cent. (one part in five hundred) of anhydrous morphine, or one-tenth per cent. (one part in a thousand) of cocaine, ecgonine, or diamorphine.

Persons authorised to possess the drugs include medical practitioners, dentists, veterinary surgeons, and chemists.

#### Prescriptions—

1. Must be (a) in writing, (b) dated, and (c) signed by the practitioner, with his full name and address. (*Insurance prescriptions need not give the address.*)

2. Must also give (a) the name and address of the patient, and (b) the total amount of the drug to be supplied.

3. If an official form is issued that form must be used (*except for Insurance prescriptions*). In an emergency, when form is not available, prescription must be marked "Official Form not available," or similar words.

4. Prescriptions given by a *dentist* to be marked "For local dental treatment only."

5. Prescriptions given by a *veterinary surgeon* to be marked "For animal treatment only."

6. Prescriptions may be dispensed not more than three times if so directed and the intervals specified in the prescription.

7. Chemist must retain prescriptions for "dangerous" drugs.

#### Other Provisions—

1. Drugs for personal administration by practitioner may be obtained from the chemist. Orders should bear the full name and address of practitioner, and messenger must produce authority in writing before he can receive the drug.

2. Practitioners are not required to make records of drugs administered personally or under direct supervision.

**Exempted Preparations.**—The following are excluded from the Regulations (Schedule II.), and prescriptions for these are not subject to any restrictions:

Cereali iodoformi et morphinae,	Pil. hydrarg. c. cret. et opii,
B.P.C.	B.P.C. (Hutchinson).
Emp. opii, B.P. 1898.	Pulv. cretæ aromat. o. opio,
Lin. opii, B.P.	B.P.
" opii ammon., B.P.C.	Pulv. ipecac. co., B.P. (Dover's
Pasta arsenicalis, B.P.C.	powder).
Pil. hydrarg. o. opio, B.P.C.	Pulv. kino co., B.P.
" ipecac. o. scilla, B.P.	Suppos. plumbi co., B.P.
" plumbi c. opio, B.P.	Tah. plumbi o. opio, B.P.C.
" digitalis et opii co.,	Ung. gallæ c. opio, B.P. (gall
B.P.C. (Heim).	and opium ointment).
	Ung. gallæ co., B.P.C.

Published by THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

September 23, 1921.

[See other side.

## NOTES FOR PRESCRIBERS

The formalities given in the Regulations only apply where prescriptions contain the percentages mentioned:

**Cocain. hydrochlor.**—Limit  $\frac{1}{10}$  per cent., equal to 1 gr. in 3xxviii. (approx.) aquæ.

**OFFICIAL** guttæ, injectiones, nebulae, pastilli, pessi, suppositoria, trochisci, tabellæ, and unguenta are *within* the Regulations, and prescriptions ordering them must be in form specified on other side.

**DILUTIONS** of following strengths of cocaine (and under) are *outside* the Regulations, and the prescription formalities specified on other side do not apply:

Pastilli, weight gr. xxx., containing $\frac{1}{32}$ gr.
Pessi, weight 3ij., containing $\frac{1}{8}$ gr.
Suppositoria, weight gr. xv., containing $\frac{1}{16}$ gr.
Tabellæ, weight gr. v., containing $\frac{1}{200}$ gr.
Unguenta, gr. ss. in 3viiiiss.

**Diamorph. hydrochlor.** (heroin hydrochlor.)—Same limits as cocaine.

Inj. heroin., pastilli tabellæ vel trochisci acetomorph. ( $\frac{1}{32}$  gr.), and tabell. hypoderm. are *within* the Regulations. Glycerini and lincti, if in thick menstruum, may contain  $\frac{1}{2}$  gr. in 3j. and be *outside* the Regulations.

**Morphine** (anhydrous).—Limit 1 in 500, suitable prescribing limit 1 in 520, of morph. hydrochlor., 1 in 420.

**OFFICIAL** preparations prescribed undiluted, such as chlorodyne B.P.C., ext. opii liq., ext. opii sic., inj. morph., liq. morph., opium, tr. opii, supp. morph. vel opii, and ung. opii are *within* the Regulations, and prescription formalities must be carried out.

**DILUTIONS.**—When the following preparations are diluted to the limits specified (or below) the prescriptions are *outside* the Regulations and the formalities given on other side do not apply.

Chlorodyne, B.P.C.	...	...	...	3j. in 3iiss.
Ext. opii liq.	...	...	...	3j. in 3iv.
Ext. opii sic.	...	...	...	gr. j. in gr. civ.
Liq. morph. acet.	...	...	...	3j. in 3iv.
Liq. morph. hyd.	...	...	...	3j. in 3iv. mxxv.
Morph. hyd.	...	...	...	gr. j. in gr. cccxxx.
P. opii	...	...	...	gr. j. in gr. liij.
Tr. chlorof. et morph. oo.	...	...	...	3j. in 3v. mxxv.
Tr. opii	...	...	...	3j. in 3v. mxxv.

**PREPARATIONS outside** the Regulations are:

Tr. camph. co.
Tr. chlorof. et morph. (chlorodyne B.P. '85).
Tr. opii ammon.
Troch. morph.
Troch. morph. et ipecac.

**NOTE.**—In devising the limits given on this card a "safety" margin has been allowed.

**Exempted Preparations.**—See other side.



## Grocers' Exhibition

THE Grocers' and Allied Traders' Exhibition and Market, which opened at the Royal Agricultural Hall, London, on September 17, and closes on the evening of the 23rd, is the twenty-fifth of the series. There is altogether an excellent display of all kinds of articles that reach the consumer by way of the grocery and provision trades. The advertisers' art seems well understood by those responsible for many of the exhibits, and topical interest is utilised by firms who have helped to equip the *Quest* as a means of advertising their wares. At Day & Martin's stand, for instance, photo postcards are handed out showing The Shackleton boot outfit of dubbin for the Antarctic weather and white cleaner for the tropics, and where the outfit came from. The visitors do not appear to be so numerous as was the case at the confectioners' show, but this defect will probably be remedied before the end of the week. The following are some of the stands at which pharmacists will find articles of trade interest:

### BEVERAGES, FOODS, ETC.

BRAND & Co., LTD., whose invalid specialities—essence of beef, chicken, meat lozenges, etc.—are staple pharmaceutical lines, are here with practically a full range of other products. A. J. CALEY & SON, LTD., suggest the coming of the Christmas season with a huge series of crackers. They offer chocolates nicely packed and a "Marcho" chocolate tablet as suitable lines for chemists' trade. A feature of their lemon-squash is "prepared from real lemons." Cordials, raisin wines, and cocoa are also conspicuous in a fine display. A chocolate-hued youth in a quaint costume, evidently one of the cocoa "nibs," acts as an efficient pointer in the scheme. CAMWAL, LTD., show a recent development of "Aquaperia" Water in the form of "Aquaperia" Salts, which are protected with the Proprietary Articles Trade Association. A large syphon draws attention to an important branch of the company's trade, and lemonade-powder and health-salts are other attractive lines. COLEMAN & Co., LTD.—"Wifcarnis" and its companion article "with quinine" occupy almost the entire stand, but a place is surrendered to a newcomer, "Coleman's meat and malt wine" (with or without quinine), which does not require a medicine-duty stamp. EX-OX Co. & BONOVIN, LTD., are exhibiting "Ex-ox," a beef extract, and "Bonovin," a tonic wine which is obtainable with and without quinine. There are two sizes of wine packed, and the chemist's trade in these articles is being catered for. FREEMAN'S FOODS, LTD., display a range of most of their lines, including Turtlekon made from real turtle, Vi-cocoa, honey, etc. The company make a chocolate for diabetic patients, but this was not on view. GLAXO.—Attention is called to the stand by means of a large facsimile section of a tin of this well-known food, which forms the centrepiece. A poster in the arcade entrance announces that the centre of attraction is in the centre of the hall, at the stand of IDRIS & Co., LTD., and this excellent position has certainly been well utilised in displaying the products of the company. A roof of 1,000 wine-bottles covers the stand, where attention is drawn to Vin Santé, Karn Meat and Malt Wine, Crème de Menthe, in the recognised style of bottle, lime-juice, lemon-squash, cordials, and mineral waters. A superior tawny wine is obtainable from Messrs. Idris, but retailers require a wine-licence. JARDOX, LTD., are showing their concentrated beef food, which is, of course, "jarred ox," yielding real beef-tea with all its nutritive contents for the patient and good profit to the retailer. Oxo, LTD., are prominently situated in the main hall, where a full range of "Oxo," "Lemco," and the other lines of the company are on view. RAYNER & Co., LTD., have a pleasing multi-coloured show of essences, glacé fruits, etc., which includes a fine olive oil packed in four sizes by Castel et Fils, Nice, which, it is considered, is of supreme quality, and which finds a place in many pharmacies. THE STANDARD ESSENCE Co., LTD., point out that all their flavouring essences are made, with one or two exceptions, from the fruits. There are fifty-two varieties, and they are all at hand for demonstration pur-

poses. The essences are nicely packed, and well suited for counter or window display. WINOX, LTD., draw attention to the fact that "Winox" contains the food elements of beef and malt without added drugs, and point to the published formula on the label. A special offer of interest to the drug-trade will be explained to chemists who apply to the company for particulars. It is claimed that "Winox" is one of the two chief sellers among medicated wines.

### BOTTLES, BOXES, DYES, FITTINGS, ETC.

CAPSOL DYES, LTD., show the possibilities of their "Wonder" dyes at a glance. These dyes do not stain the hands or utensils, but impart a fast dye to wool or silk garments, leaving "white" the cotton or lace trimming, which need not be detached. MR. E. DUNCAN DORING points out that bath-salt jars are made to hold from 1 lb. up to 35 lb.! But the 2-lb. jar, he states, is quite a normal size, although some of the departmental stores can easily sell up to 28 lb. A particularly fine and cheap lot of lozenge jars are on view, in addition to medicine flats, 1 oz. to 16 oz., screw bottles, malt-extract containers, etc. WILLIAM EDGE & SONS, LTD., have a stand which is something out of the ordinary. Drummer dyes is the article particularly chosen for advertising, and within are the photographs of the chief window-displays in the recent Drummer dye competition (*C. & D.*, August 20, p. 3). Some of the "slogans" used in advertising these products illustrate what the Americans term a "punch." FASSETT & JOHNSTON, LTD., have a section of their stand devoted to Diamond dyes, use being made of material in contrasting colours arranged in diamond formation. Liquid veneer occupies a prominent position, and tasting samples of Instant Postum are obtainable. T. H. HARRIS & SONS, LTD., include in their display of soaps some nicely packed toilet soaps and tablets for the bath. JULES LANG & SON are able to offer from stock practically all kinds of machine-made bottles and jars. There are some fine specimens of show glass on view, and stands of different shapes on which to impose plate-glass shelves. JOHN GOSHERON & Co. have a variegated show of paper bags, advertising and gummed tapes, and sealing machines. Particularly of pharmaceutical interest are the toilet papers and demy papers. THE OZO MANUFACTURING Co. demonstrate, on the spot, the effective cleansing properties of "Ozo," which, at the same time, acts as a disinfectant. "Ozo" is supplied to a large steamship company, on whose vessels its value has been amply verified. PAPER TUBE AND BOX Co., LTD., make all kinds of cardboard boxes, folders, and other containers. Special attention is directed to a grease-proof box, made in one piece, which is suitable for ointments, etc. Some attractive boxes suitable for toilet articles are shown. REDIO Co., LTD., are again able to offer their polishing-cloths for motor-cars, metal, furniture, boots, glass, etc. In addition, "Rosebloom" complexion and manicure cloths form part of an attractive display. FREDERICK SAGE & Co., shop-fitters, are displaying oak pedestals, perfumery stands, and some handsome showcases, with plate-glass shelves. VENESTA, LTD., who might well be termed expert plywood manipulators, have a large show of their specialities. Plywood barrels are again procurable. The chemical trade, it appears, is the largest user of these articles, for powders and crystals generally. Trays and packing-boxes are shown suitable for factory use, all, of course, in plywood, which is characterised by its cleanliness and smoothness.

### MACHINERY, ETC.

BURROUGHS ADDING MACHINE, LTD., show specimens of what are now considered almost indispensable equipment for offices and shops. The latest "extension" machine is capable of calculating the cost of ounces at so much per pound. CONSUL AUTOMATIC AERATORS (1914), LTD., have two elegant soda fountains on view. In addition, tins of a real lemonade powder, which is instantly soluble in cold water, forming a very pleasant beverage, syrups and cordials go to make what is an interesting exhibit. CALEB DUCKWORTH, LTD., display, among other machines, the "Colunio" patent mixer, which mixes rapidly and accurately all kinds of sifted powders, such



as health salts, etc. DOYLE & SON exhibit a range of automatic and other scale and weighing machines, which include dispensing scales and chemical balances. FLUGEL & Co., LTD., anticipate an increased demand for soda fountains from chemists in the near future. The chief point of their apparatus is that the water is first filtered. The aerating and bottling machine shown may feed the fountain and, at the same time, fill bottles or syphons. One of the most interesting exhibits is that of MASSON-SEELEY & Co., LTD., who are showing their ticket-writing and showcard machine. The machine is in the form of a hand-press, which can be operated with ease. It has a sliding bed-plate which carries the card on which the design is to be embossed by selected type. This card may be of any colour, and between it and the type is inserted a sheet of gummed paper of the shade required for lettering. This paper is cut and pressed into the material by the force of the hand-press, the card withdrawn, and the superfluous paper removed. The result is a highly attractive embossed lettering or design obtained in a fraction of the time that the hand-written ticket requires, and at a fraction of the cost. Demonstrations are given at the stand. For firms making much use of showcards and window-tickets the machine will be quite a boon. PURDY PATENT MACHINERY Co., LTD., have a working exhibit of labelling and filling machines. Labellers are made for any size or shape of bottle, and one, two, or three labels are affixed in one operation at a speed of thirty to forty a minute. Some firms use one of the labellers for attaching patent-medicine stamps. THE NATIONAL CASH REGISTER Co., LTD., have the latest models of cash tills in different sizes and colourings. Emphasis is laid on the value of their credit file, which, it appears, makes bookkeeping the easy task of the day. PARNELL & SONS, LTD., require two stands to give an adequate idea of the numerous varieties of fittings obtainable from the firm and out of 10,000 items an excellent assortment is provided. Signs, counter-cases, and show-cases are in great variety. A personal automatic weighing machine is an attractive and, no doubt, a profitable fitting for the pharmacy. A safety cash-box, in which a bell rings when the box is moved, bicycle carriers, and baby-weighing machines also catch the visitor's eye. A special fitting of shelving is being shown for carrying certain commodities in Ford cars. The shelves, when not in use, may be dropped to occupy a vertical position on the wall of the van. A branch in process of development is wrapping papers for powders and other pharmaceutical needs. SOUTHALL & SMITH, LTD., have a show of filling machines, one of which, it is interesting to note, fills custard powder into tins eight times more rapidly than is possible by hand. A seidlitz machine, which, however, was not on view, is made by the company, which weighs, at the rate of sixteen to the minute, seidlitz powders to within a quarter of a grain.

## Coming Events

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Thursday, September 29

South Wales and Monmouthshire Pharmacists' Local Associations Federation, Royal Lion Hotel, Tenby, at 3 p.m. Executive meeting. Tea, provided by the Pembrokehire Pharmacists' Association, at 4 p.m. An open meeting for pharmacists will afterwards be addressed by Sir William Glyn-Jones on "The Present Pharmaceutical Position."

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—The annual reunion will take place at Pinoli's Restaurant, Wardour Street, W., on October 6. Reception by the President, Mr. W. E. D. Shirriff, at 7 p.m. for 7.30 p.m., followed by supper, whist-drive, and music. Tickets (6s. each) from the secretaries and members of the Committee.

## Gazette

PARTNERSHIP DISSOLVED.

WORRELL, F., and PICKARD, H., 32 Farnival Street, Holborn, London, wholesale and retail opticians, under the style of the Lorel Optical Co.

## Legal Report

**A Drug-store Company.**—In the Mayor's and City of London Court, on September 20, an extraordinary story regarding a drug-store company was unfolded. Judgment had been obtained by the Anglo-Indian Drug Stores, Ltd., 22 Great Windmill Street, London, W., against Karm Din Narr, 121 East India Dock Road, Poplar, E., for 48l. 10s. for calls due on fifty-one shares in the company; against Mohammed Ishak, traveller, of the same address, for 49l.; and against Ahmad Din Carr for 59l. 16s., also for calls on shares. Mr. Dale, counsel for all the defendants, made an application for the judgments to be set aside and new trials ordered in each case, observing that the circumstances disclosed a piece of roguery which was quite unusual in this country. Judgment went by default. The defendants were three Indians, who were an illiterate type, knowing neither English nor Hindustani. They had a certain amount of money, and lived at 121 East India Dock Road. A man named Tugg, also an Indian, heard of that, and got into touch with Carr, visiting him frequently and getting into friendly relations with all the three defendants over refreshments and Persian stories told in their own language. He asked Carr whether he would let him the balcony of 121 East India Dock Road so that they could open a drug-store. Carr agreed that he would let him have the balcony for 1l. a week. To enable him to do that Tugg said the place would have to be registered, as was no doubt true, and asked them to witness a document. They signed papers which Tugg said was witnessing the registration. Some months afterwards the bailiffs of that Court called at their premises and took away the whole of the goods of one of the defendants. Tugg, instead of getting the business registered, floated it as a company, put the names of the three defendants into the company, and their signatures were presumed to be consent. In fact, they knew nothing about it. The company was, in fact, registered, and the shareholding of each of the defendants was stated in the articles and so forth. Carr was supposed to have taken up sixty-one shares, Narr fifty-one, and Ishak sixty-one, without any knowledge on their part. They had paid nothing on the shares. A call of 25 per cent. was made on the shares, which were of 1l. each. That would be 5s. a share. Defendants did not understand that. They did not pay the call, and summonses were issued by Tugg against all the defendants in that Court for the full amount of the shares, although only 5s. per share was owing in any event. Judgment had been obtained against the defendants, and as execution was put in the present application was made to set aside the whole proceedings. Defendants were taking proceedings in the Chancery Court to set the company aside on the ground of fraud and so on. Tugg was without money, having borrowed a few shillings from each of the defendants. One of the parties was supposed to have written a letter disclosing a remarkable knowledge of the English company law, but that was really from Tugg. Mr. Mellows, plaintiffs' solicitor, said Mr. Dale's statement was very far from accurate in a great many respects. It was childish to say that Carr could not speak English, for he had been in England for thirty years, was a director of another company, had married an English wife, and had six or seven children all educated here. Carr had sued people in that Court and knew all that was done. The plaintiffs came to him on July 21, and he had never heard of them before. They gave him instructions to sue in the ordinary way. Judge Jackson said that it was not right to sue for the full amount of the calls. Judgment must be set aside and the actions tried out in the proper way, and the costs would be reserved until the trial.

**RENT OF MARKET STALLS.**—In the course of a recent address, the President of the Dewsbury chamber of trade remarked that there was a genuine grievance when outsiders were allowed to rent stalls in a town at about 5s. a day, and take as much as 50l. or 60l. out of the town, leaving the shopkeepers to bear the burden of municipal expenditure. There should be a proper economic rent for stalls.



## Births

**ARMSTRONG.**—At 84 West Street, Drogheda, co. Louth, on September 8, the wife of Fred. P. Armstrong, M.P.S.I., of a son.

**GODDARD.**—At 11 Channel View, Bexhill, on September 14, Theresa, wife of E. J. T. Goddard, chemist and druggist, Wilton Court Pharmacy, of a son.

**LANE.**—At the Pembroke Maternity Home, Clifton, on September 5, the wife of A. E. Lane, M.P.S., Gloucester (late of Bristol), of a daughter.

**WHITE.**—At Oldbury, Birmingham, on September 17, the wife of C. H. White, chemist and druggist, of a daughter.

## Marriages

**GIVINS—LANCASHIRE.**—At St. Patrick's Church, Ballymena, on September 14, by the Rev. William Williamson, Draperstown (uncle of the bride), John Alexander, son of Mr. W. T. Givins, Londonderry, to Emily, youngest daughter of Mr. Huston Lancashire, J.P., Member of the Council of the Pharmaceutical Society of Ireland, Church Street, Ballymena.

**KENNEDY—McCULLOCH.**—At Burlington House, Glasgow, on September 7, by the Rev. C. Mackinnon, M.A., Robert Kennedy, chemist, Coatbridge, son of Mr. John Kennedy, Ashville, Johnstone, to Janet Stirling (Jenny), eldest daughter of the late Mr. Alexander McCulloch, Slamannan.

**LLOYD—RAMSEY.**—At Witton Parish Church, on August 25, Hugh Pritchard, only son of the late Mr. B. L. Lloyd, Liverpool, to Ruth Bunten, youngest daughter of the late Mr. Joseph Ramsey, chemist and druggist, Northwich.

**WARD—ATKINSON.**—At St. Nicholas' Church, Tuxford, on September 12, Frank Newbert Ward, West Markham, to Dorothy Ridge Atkinson, only daughter of Mr. R. J. Atkinson, chemist and druggist, Tuxford.

## Deaths

**AYRE.**—At Poole, on September 12, Councillor Henry Ayre, chemist and druggist, 92 High Street, aged fifty-one. Mr. Ayre went to Poole and acquired the business of Mr. F. T. Pomeroy twenty-four years ago. He was closely identified with the public life of the town; he entered the town council in 1912, and became Sheriff in 1918. On more than one occasion he declined the mayoralty. Mr. Ayre was treasurer of the Poole Conservative and Unionist Club and of the East Dorset Conservative and Unionist Association; he was also a member of the Poole Education Committee and of several other bodies, and a Freemason. Mr. Ayre did a considerable amount of work for various charities during the war. He leaves a widow.

**BUDDLES.**—On September 11, Mr. Charles William Harrison Buddles, only son of the late Mr. William Buddles, chemist and druggist, 46 Churton Street, London, S.W. 1, aged twenty-one.

**GILLING.**—At his residence, Holly Croft, Saffron Walden, on September 15, Alderman John Gilling, J.P., Ph.C., aged seventy-eight. Alderman Gilling was the second son of the late Mr. John Gilling, leather merchant, Thirsk. He served his apprenticeship with Reinhardt & Sons, Leeds, and afterwards took up a position with Tomlinson & Hayward, Lincoln. After passing the Major examination in 1864 he was with Ferris & Co., Ltd., Bristol, until 1867 as manager of the dispensing department, and then purchased the business at Saffron Walden known as Miller & Son. He entered the town council in 1883, and became an energetic member of various committees. In 1895 and the following year he was elected Mayor of the borough. For a long period Mr. Gilling

served on the board of guardians and various other public bodies; he was also a churchwarden and a well-known Freemason—P.M. of the Walden Lodge and P.P.G.J.D. of the Provincial Lodge of Essex. His wife died ten years ago, and in 1918 (in which year he was appointed a justice of the peace) he lost his only son in the war. He is survived by three daughters.

**JENNER.**—At Epsom, on September 14, Mr. Charles Samuel Jenner, chemist and druggist, aged eighty-six. Mr. Jenner, who qualified in 1868, was in business till recently at 27 Meeting House Lane, London, S.E. 15.

**LLOYD.**—At Penygraig, on September 17, Mr. Rees Lloyd, chemist and druggist, aged seventy-one. Mr. Lloyd, who was the oldest pharmacist in the Rhondda Valley, carried out considerable researches in veterinary medicine in conjunction with Dr. Cobbold, F.R.S. He served on the Glamorganshire county council for six years, and was at one time an inspector for foot-and-mouth disease. A widow and four children survive him.

**ROBERTSON.**—At Dunalastair, Park Place, Dunfermline, on September 12, Margaret Brown, second daughter of Mr. Andrew Robertson, chemist and druggist (Andrew Robertson & Son, chemists, Douglas Street).

**WATSON.**—At 97 Norwood Road, London, S.E. 24, on September 12, Mr. John Robert Watson, chemist and druggist, superintendent of the drug department of Francis & Son, Ltd., 448-450 Brixton Road, S.W. 9, aged fifty-seven. Mr. Watson, who qualified in 1891, had been with Messrs. Francis & Son for twenty-eight years in all.

**WILLSON.**—At Benenden, on September 6, Mr. Harry Briggs Willson, Ph.C., aged forty.

## Wills

**MR. JOHN ALEXANDER FERGUSON**, chemist and druggist, Markinch, Fife, left estate valued at 2,558*l.* 4*s.* 10*d.*

**MR. JOHN ROBERT HARKNESS**, 20 Minto Street, Edinburgh, of Harkness, Beaumont & Co., wholesale druggists, Leith, left estate valued at 11,127*l.*

**MR. ARTHUR SAUNDERS**, chemist and druggist, Fullbeck House, New Barnet, who died on July 17, left estate of the gross value of 4,985*l.* 14*s.* 7*d.*, of which 4,032*l.* 2*s.* 1*d.* is net personalty. Probate of his will has been granted to his widow, Mrs. Eleanor Saunders, and his son, Christopher G. Saunders, Bankfield, Swanlow Lane, Winsford.

**MR. HENRY CHARLES GOOSEMAN**, chemist and druggist, 107 Sutherland Avenue, Maida Vale, London, W., who died on August 2, left property of the value of 9,085*l.* 5*s.* 6*d.*, the net personalty being 8,930*l.* 0*s.* 5*d.* Probate is granted to Arthur Thomas Gooseman, Blackburn, Lancs, and Kate Mary Gooseman, West Park Road, Blackburn, brother and sister.

**MR. THOMAS BICKLE PERCY**, chemist and rennet manufacturer, Houndiscombe House, Derry Villas, Plymouth, chairman of Service & Co., Ltd., and a director of the St. Budeaux Estate Co., Ltd., who died on August 19, left estate of the gross value of 24,975*l.* 16*s.* 7*d.*, with net personalty 18,314*l.* 15*s.* 5*d.* Probate of his will has been granted to his son Mr. Charles Cyril Percy, Victoria Lodge, Raynes Park, London, S.W., and Mr. Alfred Yeo, The Octagon, Union Street, Plymouth.

**SIR JAMES HORLICK**, Bt., 2 Carlton House Terrace, London, S.W., Cowley Manor, Glos., and Kidbrooke Park, Forest Row, Sussex, who died on May 7, left estate of the gross value of 450,481*l.* 5*s.* 5*d.*, with net personalty 182,689*l.* 4*s.* 10*d.* Probate of his will has been granted to his widow, Dame Margaret Adelaide Horlick, Kidbrooke Park; his sons, Sir Ernest Burford Horlick, Bt., 2 Carlton House Terrace, S.W., and Lieut.-Col. James Nockells Horlick, 21 Brompton Square, S.W.; and Mr. James George Ward, solicitor, 1 Mitre Court Buildings, Temple, E.C. Among the bequests are 1,000*l.* to Charles M. Phelps (if in the service of Horlick's Malted Milk Co.), and 500*l.* to Walter Metzner.



## Personalities

WE are asked to appeal for London Orphan School votes on behalf of Edith Lilian Walker, aged seven years, whose father had been in the employ of A. W. Gamage, Ltd., Holborn, as a salesman, for twenty-seven years.

MR. H. P. KACHARIA, managing partner of D. H. Jeewandas & Co., chemists, etc., Bombay and Karachi, is at present in London for purchases, and may be addressed c/o James Smith & Partners, Ltd., 36 Camomile Street, London, E.C. 3.

MR. ROBERT JOHNSON (Johnson Brothers, Ireland) sails on the C.P.R. liner *Metegama*, Liverpool to Montreal, on September 30. Mr. Johnson will proceed to New York, where his address will be c/o Hotel McAlpin, Broadway, corner of 34th Street, New York City.

MR. GEORGE BROWN, the well-known representative and licensed valuer of Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C. 1, will shortly relinquish travelling, and will take up a position in the house which will enable him to concentrate on the work of chemists' stocktaking and general valuations for transfer, probate, etc., in which he has specialised for many years.

## Trade Notes

EUCRYL, LTD., Shirley, Southampton, advertise two new lines—Eucryl denture powder and Eucryl shampoo powder.

TOWLE'S CHLORODYNE is not affected by the Dangerous Drugs Act, as it contains less than 0.2 per cent. of anhydrous morphine.

MOOGROL.—The price of Burroughs Wellcome & Co.'s Moogrol (*C. & D.*, August 13, p. 52) has been reduced from 60s. to 30s. per 100 c.c. bottle.

SANAGEN PRODUCTS.—An announcement of the Sanagen Co., Ltd., calls attention to the new premises at 8 Kennington Park Road, London, S.E. 11, and enumerates the company's seven specialities.

EDISWAN ELECTRIC LAMPS.—The Edison Swan Electric Co., Ltd., Ponders End, Middlesex, direct attention to the Royal Ediswan electric lamps for lighting chemists' shops. A shop-lighting folder, "LL 237," can be had on application.

FACTORY DISINFECTANTS.—Attention is directed to the advertisement in this issue of Murphy & Son, Ltd., Sheen Lane, London, S.W. 14, giving particulars of a series of factory disinfectants, as well as special disinfectants for toilet and sanitary purposes, surgical and hospital use, and for farm and veterinary purposes.

TUBUNIC AMPOULE-SYRINGE.—The Hoffmann-La Roche Chemical Works, Ltd., 7-8 Idol Lane, London, E.C. 3, have just issued an attractive booklet dealing with the Roche Tubunic ampoule-syringe. Illustrations and letter-press show clearly how the ampoule-syringes are used. Prices and a list of the solutions kept in stock are given.

"ENCYCLOPEDIA ELECTRICA."—This is the title of the new catalogue issued by Ward & Goldstone, Ltd., Frederick Road, Pendleton, Manchester. The list gives a full range of electric pocket lamps, hand lamps, torches, cycle and motor-cycle lighting outfits, dry batteries, and other lines interesting to chemists. Prices and illustrations are given.

BROWNING SPECIALITIES.—Among the newer products of The Wm. Browning Co., Ltd., manufacturing chemists, Albert Works, Albert Street, Park Street, London, N.W. 1, are the Semprolia nasal cream and Carmex toilet powder. Semprolia nasal cream is packed in collapsible tubes with a special nozzle, so that the cream can be readily applied to the interior of the nose. The tube is enclosed in a carton. The cream is employed as a prophylactic and cure for catarrh, and is a useful article for winter sale. Carmex toilet powder for use on babies is packed in attractive tins decorated in crimson on a black ground. The perfume used in the powder is distinctive and sufficiently pronounced, so that the odour lasts for a considerable time.

## "B. D. H." Sports Meeting

THE first annual sports meeting of The British Drug Houses, Ltd., was held in the spacious grounds of the King's Oak Hotel, High Beech, Loughton, on September 17. A special train conveyed the 690 entrants and their friends—a total number of about 850—to the nearest station, and a strenuous walk brought them to the highest part of Epping Forest—from which point, it is said, five counties may be seen. The spot is, at any rate, a very bracing one, and the attractions of the landscape were manifest. The weather was, luckily for the competitors, on the cool side. The programme was of heroic dimensions, involving a hard day's work for the officials of the course, thirty-six in number. Messrs. R. R. Bennett, H. S. Collins, A. Francis, R. K. Harvey, C. M. Hill, H. Martin, and E. Sibley acted as judges, and Mr. R. M. Harvey was the referee. Most of the seven ages of man were represented in the various events, the details of which are as follows:

*100-yards Handicap*: (1) G. W. King; (2) A. J. Young; (3) S. Dabbs.

*Egg-and-Spoon Race (Ladies)*: (1) Miss N. Cullen; (2) Miss D. Cooley; (3) Miss F. Smeeton.

*100-yards Handicap (Boys)*: (1) J. Newman; (2) A. Rawlings; (3) T. Frazer.

*440-yards Handicap*: (1) G. Cardew; (2) H. Luck; (3) H. C. P. Lake.

*80-yards Level Race (Ladies)*: (1) Miss A. Reeves; (2) Miss B. E. Parsons; (3) Miss M. Jarvis.

*One-lap Slow Cycle Race*: T. Parsons.

*High Jump*: (1) S. F. W. Lohe; (2) G. Cardew; (3) F. C. Hymas.

*Putting the Shot*: (1) S. Twigger; (2) G. Hyson; (3) R. Stewart.

*880-yards Handicap*: (1) D. Smith; (2) S. R. Dutton; (3) A. F. Carter.

*Obstacle Race*: (1) H. Lake; (2) A. E. Tombs; (3) A. G. Timms.

*Mile Handicap*: (1) G. Walker; (2) E. Bicknell; (3) A. E. Bolt.

*80-yards Skipping Handicap (Ladies)*: (1) Miss A. Reeves; (2) Miss R. Flack; (3) Miss E. E. Brunning.

*Sack Race*: (1) A. J. T. Musgrove; (2) C. Padman; (3) C. Green.

*Potato Race (Ladies)*: (1) Miss P. N. Proctor; (2) Miss J. Bergman; (3) Miss F. Skinner.

*100-yards Handicap (Veterans)*: (1) J. Baxter; (2) W. Hammond; (3) F. Monk.

*Tug-of-War*: (1) Builders' Team; (2) Garage Team.

*Mile Relay Race*: (1) A1; (2) Bunhill Row; (3) A2 Export.

*120-yards Three-legged Race*: (1) A. Mayes and C. Padman; (2) J. B. Bray and G. A. Frith; (3) A. E. Tombs and F. Monk.

The organisers of the gathering had a race of another kind—a race against time to get the events finished before tea; and the enthusiastic sports secretary (Mr. A. V. Crossman) nearly wore out his megaphone and his voice. After tea the prizes were presented by Mr. C. A. Hill (managing director); at the conclusion of the ceremony Mr. H. S. Collins (works manager) called for cheers for the directors who had performed the arduous duties of judges, and a scene of great enthusiasm followed, the cheers being heard, probably, in all of the five counties. A concert and dance concluded a day to be long remembered by all who were present.

## Information Department

### INFORMATION WANTED

Z/219. Doramad.	M/149. Iododrosal
S/99. Machines for making compact face powders (London patterns).	M/159. Euthol hand cleanser.
	C/139. Carafa liquorice juice.
	E/219. "Correcto" hair dye

### INFORMATION SUPPLIED

A1 cod-liver oil, S/219	Davis & Lawrence Little Liver Pills, M/209
Bian's metal combs, H/179	Dent's toothache gum, S/169
Bloc hyalin, S/139	"Gadus" cod-liver oil, A/209
Clark's syphon stoves, H/169	"Gem" inhalers, H/99
Colgate's shaving-soap, P/109	Gillette blade-sharpening machines, S/19
"Corona" ink eradiator, P/169	
"Cyclax" face powder, H/169	



## Observations and Reflections

By Xrayser II.

### Sir William Pope's Address

to the Society of Chemical Industry contains much matter for thought, but some of the thoughts it suggests are not flattering to us as a people. It is not flattering, for instance, to be told that, although our empire produces more raw material for the chemist to work upon than the German ever possessed, we have allowed Germany a virtual monopoly in the production of fine chemicals. Sir William will not have it that this was due to any "incompatibility" with such work in the British temperament, but the fact remains that the trading spirit has of late been developed among us at the expense of the productive energy our unrivalled advantages ought to have excited in us. Our geographical position, our very supremacy as lords of the sea, may, rather than any peculiarity of temperament, account for this; but it must be confessed that we have been to too great an extent content with the easier path, to the neglect of what would ultimately have brought us the greater gain. It is useless to cry over spilt milk; Sir William only refers to our past errors in the hope of inducing us to profit by them, and he shows us what he thinks a better way of doing this than mere imitation of the Germans. He would say that though synthetic chemistry is good, natural chemistry is better: it is by imitating this that our scientific position must be retrieved.

### Mr. Gilmour,

in his address at Hull on "State Protection of Pharmacy," did not distinguish very clearly between protection and control; indeed, he used the terms as almost convertible, which certainly they are not, though complementary they may be. The worst of protection is that it usually carries control with it, and when, as we have found it happen, control bears the same proportion to protection as brandy did to water in the potations of Mynheer Van Dunk—"two quarts of the first to a pint of the latter daily"—it becomes a question whether protection is worth having. Mr. Gilmour was quite right when he said that if they go together a minimum of both is to be preferred, but the Society he represents has not always acted as if it thought so. When Mr. Gilmour said that the Middle Ages had practically no control of pharmacy he must have forgotten the law of the Emperor Frederick (1194-1250) regulating the practice of medicine, which not only demanded from physicians a high standard of general education, four years of the study of medicine before being allowed to teach it, and a further year of practice with a physician before practising for themselves, but very strictly controlled the business of the apothecary. The physician was not allowed to keep shop himself (O wise Frederick!), nor to take an apothecary under his protection, nor to have any business dealings with one; the apothecary, however, had to be certificated by a physician, to take oath that all his drugs were pure and his preparations in accord with the prescribed formulas, and his rate of profit was fixed for him. Even the growers of medicinal plants were similarly controlled, and liable to the confiscation of their goods if found guilty of a breach of the law.

### Your Columns

continue to be full of reports of motor drives, and other excursions and merry-makings of pharmacists in search of health and refreshment, and I suppose there never was so long and delightful a holiday season as we have enjoyed this year. I have been taking my holiday in a series of motor rides—mere swallow-flights—round about London, and have been amazed at the wealth of beauty and interest still to be found in our suburbs, or at least within a radius of twenty-five miles or so. I hardly know whether North or South has the pre-eminence in this respect. There are the Surrey hills, to be sure, that are not to be equalled within the same distance, but I always think there is a fresher and more

bracing air on the Northern side, which has for me the further advantage of being more accessible. We are spared there, too, the bustle and "transporting fears" of the Brighton Road. To a convalescent this is a consideration. I wish all my fellow holiday-makers as pleasant a time as my own has been. "Summer-time," I would remind them, is nearly over.

### The History of Medicine

has not yet been written in any proper sense (at least, not in English); but we have lately had many contributions towards it, some of which have been duly noticed in your columns, and the recently published lectures of Sir Clifford Allbutt on "Greek Medicine in Rome" should provide any future historian with matter for one of his most important chapters. It is much to be wished that writers on this subject would work in unison with each other, so as to produce a connected history from the earliest times to the present, or, if this is too much to expect, that someone availing himself of their separate researches would compile such a history as would give us an adequate idea of the development of medical science throughout its whole course. Such publications as Black's Medical History Manuals, and the Fitzpatrick lectures, to which Sir Clifford's volume belongs, are admirable in themselves, but they do not supply the want of which I speak, and there are obvious disadvantages in the lecture form as compared with a continuous narrative.

### Nothing in such Medical History

as I have recently read has surprised me so much as the part played by women in the medical practice and teaching of mediæval times. When, in our own day, women began to take up medicine as a profession, they were very generally regarded as obtruding themselves into a sphere in which they certainly were not wanted, and which many even of their own sex thought it unseemly for them to enter. In the twelfth and thirteenth centuries, however, they were not only encouraged to enter it, but many of them attained eminence both as teachers and practitioners. There were women on the faculty of Salerno; Trotula may be said to have been one of its famous physicians, and of the series of medical works bearing her name several are accepted as genuine. The chief of them are on women's diseases, but women by no means restricted their practice to these, Alessandra Giliani was one of the prosectors in anatomy of Mondino of Luzzi, the founder of the teaching by human dissection; and both in Italy and in France, but more generally in the former, women were licensed to practise surgery, though they do not appear to have taken the first rank in the faculty.

### Dr. W. Rogers Williams,

if, as doubtless is the case, your article on "Medicine as a Science" correctly represents his views, has overlooked the distinction between pure and applied science. To say that medicine is not a pure science is to say nothing against it; no sane person would contend that it is; but to deny that there is science in it is absurd. Science is only systematised knowledge, and in medicine as elsewhere we apply general knowledge to particular cases to which, possibly, it may be an unsafe guide, but it remains knowledge all the same, so far as it goes. The acquisition of new knowledge does not necessarily invalidate the old, nor does the fact that experiment and empiricism enter into medical practice rob the knowledge gained thereby of the right to be regarded as science. The origins of medicine, again, may have to be sought in magic, alchemy, astrology, but the origins of all the sciences were equally open to question; indeed, alchemy itself was the begetter of chemistry and astrology of astronomy. Once more, to say that the Greeks merely developed what they borrowed from Egypt, and that their science (if he includes, as he appears to do, that of the Greeks) "rose under the ægis of the priests in a witch's cauldron" is incorrect. Sir Clifford Allbutt, in the lectures I have referred to, speaks much more rationally of early Greek medicine.



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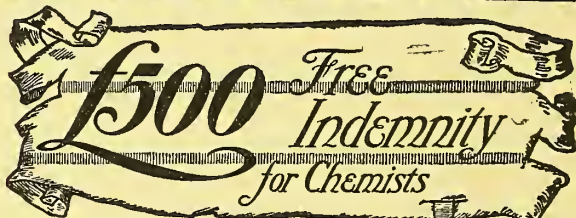
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## Editorial Articles

### Five Years' Protection

The list of articles chargeable with the 33½ per cent. *ad valorem* duty under Part I. of the Safeguarding of Industries Act, which comes into force on October 1, is printed in full in this issue. The Act marks an important change in the fiscal policy of this country, and the list of protected articles, of which there are between six and seven thousand, is of historic significance. The



greater part of the list consists of the chemicals included in the paragraph of the schedule as follows :

Synthetic organic chemicals (other than synthetic organic dyestuffs, colours and colouring matters imported for use as such, and organic intermediate products imported for their manufacture), analytical re-agents, all other fine chemicals (except sulphate of quinine of vegetable origin), and chemicals manufactured by fermentation processes.

The list is chiefly noticeable on account of the wide meaning given to the term "fine chemicals"—in fact, the inclusive character of the definition which has been adopted has created considerable surprise in the drug and chemical trade. It should be stated that

WHAT ARE there is no definition of "fine chemicals" in FINE the Safeguarding of Industries Act, and it is CHEMICALS? interesting to follow the process by which the

Board of Trade has arrived at the meaning adopted. In pharmacy we understand fine chemicals to be those that are rare and small in bulk. Mr. C. A. Hill and Mr. T. D. Morson, representatives of two well-known companies manufacturing chemicals, in a paper at the annual meeting in 1916 of the Society of Chemical Industry, made the following observations on the subject :

A classification of fine chemicals is difficult to make, inasmuch as the same substance and of almost the same degree of purity may be used for medicinal, analytical, and technical purposes, but for convenience sake we divide fine chemicals into three groups: (1) Reagents, (2) pharmaceutical, (3) technical. The first group includes chemicals for analytical, research, and teaching purposes; the second comprises all chemical substances used for medicinal purposes—(a) the well-known inorganic salts and substances, (b) the lesser-known but considerable and growing group of metallo-organic compounds, e.g. bismuth tribromophenol and metallic salts of organic acids, and (c) the organic synthetic bodies and substances extracted from plants and animals, of which the vegetable alkaloids or glucosides are important groups; while the third group embraces all other pure chemicals used in the arts and industries, including such widely different products as flavouring essences, perfumes, and photographic chemicals. In considering the third group it frequently happens, owing to the growth of an industry, e.g. cinematography, that a demand for a particular chemical attains a scale so large as to be beyond that usually associated with fine-chemical manufacture; and thus this industry passes imperceptibly into the larger or heavy chemical trade.

The impression given by this extract tends to bear out what we have mentioned as the meaning attached in pharmacy to "fine chemicals." There is, however, a more general definition given in the dictionaries, of which the following, from Murray's "New English Dictionary," may be taken as representative :

*Fine*: Finished, consummate in quality; of superior quality, choice of its kind; free from foreign or extraneous matter, having no dross or other impurity; clear, pure, refined.

It is evident that the Board of Trade have treated the word "fine" as equivalent to "refined," and hence have included such substances as cream of tartar, menthol, tartaric acid, citric acid, borax, and sodium bicarbonate.

WHAT LETTER "R" MEANS. The last two have affixed to the names the letter "R," to indicate that it is the pure quality that is protected, and not the crude product. It should, therefore, be understood that in all instances the letter "R"

denotes only the specially refined and absolutely pure product used for analytical and other laboratory processes. For instance, we will take ammonium chloride "R," as given on the list; this does not mean that the ammonium chloride (sal ammoniac), generally testing up to as high as 99 per cent. and sometimes over, is liable to the duty, it means that only a specially prepared and very little-used product of the highest

standard of purity is scheduled for duty. The same applies to methyl alcohol; this product, made by distillation and imported for the manufacture of formaldehyde, although it only contains one-tenth of 1 per cent. of acetone, is not covered by methyl alcohol "R," which refers to a special high-grade material. It would be a disastrous policy to levy a duty on the raw material required, unobtainable except by importation, for the manufacture of a protected product—formaldehyde. There seems to be a great deal of doubt about acetic acid, and there are rumours to the effect that 78 to 79 per cent. strength would not be liable, but this is entirely wrong. The list states 80 per cent. *grade* and over. Acetic acid is made in 40, 60, 80 per cent., etc., grades, so that 78 to 79 per cent. will probably be deemed 80 per cent. grade. Sodium bicarbonate "R" is given in the list; this does not refer to the ordinary refined bicarbonate, but to a specially pure product. We instance the above to give our readers a clear idea as to the departmental interpretation of "pure."

The only doubtful cases we notice in the list appear to have been included under the mischievous heading "All other fine chemicals." We refer to boric acid, cream of tartar, etc. These, and similar cases, will possibly be tested by complaints being lodged against their inclusion. The list includes a large number of products under trade-mark names, many of which are not usually sold in this country. The inclusion TRADE-MARK of these will, however, prevent the flooding CHEMICALS. of the country with new remedies which, on account of their present insignificance, might not have been included in the list. The Board of Trade has power under Section 1 (5) to issue from time to time lists of products, and supplementary lists may be expected as omissions are pointed out. At a rough estimate, we should say there are well over two thousand products in the list that are unobtainable from home manufacturers, which means that duty will have to be paid on goods which are imported because they are not made in the United Kingdom. Many of them are required in such small quantities that their manufacture here might not be profitable even if outside competition were prohibited. Protests are certain to flow steadily into the Board of Trade—the manufacturer requesting the addition of further products not yet on the list, and the merchant importer protesting against the inclusion of certain products as "fine chemicals" which are known by custom throughout the trade as being in the "heavy" category. In connection with these protests, it is interesting to note that the Lord Chancellor has not yet published the name of the referee appointed who will hear and decide all such complaints. It is generally thought that the gentleman will be of the legal fraternity—his technical MANY knowledge of what is and what is not a fine PROTESTS chemical will naturally be scant. It looks, LIKELY. therefore, as though the side with the best evidence in such disputes will win the day.

The hearings will generally be held in public, and it is more than probable that the merchants' and manufacturers' trade associations will handle the cases on behalf of their members. It should be noted that Part I. of the Act comes into force on October 1. No extension of time is possible, and all goods that have not been entered at the Customs before closing-time on September 30, if scheduled in the list, will be liable to the duty. We mention this on account of the persistent rumours in the City to the effect that the operation of the Act had been suspended for a fortnight.



Now that manufacturers have obtained a measure of protection to enable them to build up their industries, we hope they will remember it is given solely on the ground of national safety, and that we shall not see a repetition of the tactics employed by a few at the time of the old import and export restrictions, when prices to home consumers soared to very high figures. There was then no option but to accept contracts of an arbitrary nature, and to be generally at the mercy of the home maker. We confidently look to the Board of Trade to condemn any attempt to abuse the privileges of the Act by a certain class of small manufacturer who may use his favoured position to profiteer for the next five years, and then retire from the business.

Writing a fortnight ago, we expressed the opinion that the Safeguarding of Industries Act should increase certain exports of pharmaceutical and technical chemicals, etc. (including pyrogallol and gallic acids), from Canada, but we now learn that the two foregoing products are not manufactured in Canada, but that the semi-finished product was imported from the United States, the process of manufacture being completed in Canada. During the period of licensing the Customs here were hoodwinked on several occasions, and quantities got through; on investigation it was admitted that the goods were of American origin. Acetone, acetic acid, lead acetate, and other acetate products, which are now subject to the duty, should help Canada to export these chemicals more freely.

### Vegetable Oils

AMID rather unsettled and confusing conditions in the vegetable oils market, there was a general moderate reaction in prices in the course of August after well-sustained activity and rising markets in the earlier part of the spring. The sharp reaction in the value of linseed oil was the outstanding feature, under the influence of which most other descriptions of seed oils obviously wavered. The break in linseed oil amounted at one period to as much as 6*l.* per ton, from which there was a partial recovery to well over 38*l.* for London spot delivery. The position is now somewhat complicated for several reasons. The crushing industry on this side and on the Continent is now feeling the effect of the recent much larger arrivals of seed from the River Plate, and it is expected that quite a large number of cargoes will arrive within the next few weeks. The total quantities that were afloat in the middle of August were as much as 306,400 tons, of which 167,000 tons were for the U.K. and 139,400 tons for Continental ports, but the total was a fortnight later reduced to 232,500 tons, this referring to Argentine seed entirely. The latest returns for this country represent about 110,000 tons. This gives an idea of the much freer supply of spot linseed and the consequent sharp temporary setback in values of the seed and the by-product. Near-at-hand supplies of seed are, indeed, abnormally heavy. Crushers, therefore, are now well able to fill their immediate needs at a discount on the comparatively stiffer terms exacted for forward shipments. More resistance is shown to shippers' pretensions, in spite of the fact that all but about 100,000 tons still remain unshipped from the River Plate out of the last bumper crop of over one million tons. Recent rumours from the United States that the balance of the Argentine crop had been acquired by a Continental syndicate have remained unconfirmed and are presumably without foundation, although it is a well-known fact that there has been an

enormous amount of speculation for some time past both in the seed and by-product. This in itself renders future market movements uncertain on technical grounds, although the demand from the United States for River Plate seed is likely to develop again in the near future. All stocks in that country are decreasing, and there is a probable shortage of over 50,000 tons in the domestic crop compared with last season, when the yield amounted to 275,000 tons. The latest advices available regarding the coming Argentine crop are unfavourable, owing to the lack of rain, but Indian crop news is somewhat more encouraging. It is an astonishing fact that fully a quarter million tons of seed was actually shipped from the River Plate within the five weeks ended August 6 last, and that this was accomplished on a strong rising market and falling freights. This may well be regarded as an indication of a trade revival. Our exports of linseed oil for the seven months to the end of July amounted to close on 25,000 tons, compared with over 33,000 tons for the same period of the previous year. In each case these returns embrace substantial quantities diverted to the Eastern seaboard of North America. In some quarters the view has been expressed that the English product is successfully competing with that of the Transatlantic mills. American consumption seems like improving, and its development will probably prove an important factor henceforth. Cotton oil was not much affected by the reaction in linseed oil, and has, as a matter of fact, shown conspicuous resistance in spite of its advance of 5*l.* to 6*l.* per ton during July. Market conditions in cotton oil this season have been peculiar, having been influenced by the very limited tonnage of seed becoming available from this season's American cotton crop, and the expectation of some shortage in the world's production of the oil. Offerings of cottonseed on this side have chiefly consisted of Egyptian, and the coming crop is said to be backward compared with this time last year. Another important factor in the situation has undoubtedly been the greater weight of demand thrown on cotton oil by the margarine industry. Edible cotton oil, indeed, has been in much increased request in that direction, this having been well in keeping with the vast outlet which is now being secured for most kinds of edible fats for home manufacturers for similar purposes. The home output of margarine has been going on at a progressive rate, so we are almost independent of importations from the Continent. These have experienced some recovery this year, but they are unlikely again to reach anything like pre-war dimensions. Much larger quantities of nuts and kernels and other descriptions of raw material, chiefly from the British colonies, are now coming into the U.K., all of which play an important part in the manufacture of food-products. Whereas in pre-war days the value of cotton oil was generally a few pounds per ton discount compared with linseed oil, the above-mentioned facts no doubt go a long way to explain the sharp reversal which has taken place in the relationship between these two leading descriptions of vegetable oils. The difference in value in favour of Egyptian crude cotton oil at about 42*l.*, compared with roughly 38*l.* for raw spot linseed oil in London, naked ex mill, is thus about 4*l.*, while common edible cotton oil has been realising a steadily advancing premium up to 9*l.* per ton over the value of crude oil. The price of ordinary refined rape oil at 62*l.* per ton is steady, despite the more subdued demand for this product and raw material on Continental account. This figure indicates a recovery of 7*l.* from the lowest seen this year, which is far less than in the case of linseed.



# Safeguarding of Industries Act

[The text of the Act was given in the "C. & D.,"  
September 10, p. 38.]

## LISTS OF ARTICLES CHARGEABLE WITH DUTY UNDER PART I (Safeguarding of Key Industries.)

1. Section 1 (5) of the Safeguarding of Industries Act, 1921, provides that for the purpose of preventing disputes arising as to whether any goods are or are not any goods chargeable with duty under Part I. of the Act, the Board of Trade may from time to time issue lists defining the articles which are to be taken as falling under any of the general descriptions set out in the schedule to the Act, and where any list is so issued defining the articles which are to be taken as falling under any such general description, the said schedule shall have effect as if the articles comprised in the list were therein substituted for that general description.

2. In pursuance of the foregoing provision, the Board of Trade have prepared the accompanying lists defining the articles which are to be taken as falling under the following general descriptions set out in the schedule, viz. :—

Optical glass and optical elements whether finished or not (see List A).

Optical instruments (see List B).

Scientific glassware (see List C).

Laboratory porcelain (see List D).

Scientific instruments (see List E).

Gauges and measuring instruments of precision of the types used in engineering machine shops and viewing rooms, whether for use in such shops or rooms or not (see List F).

Compounds (not including ores or minerals) of thorium, cerium and the other rare earth metals (see List G).

Synthetic organic chemicals (other than synthetic organic dyestuffs, colours and colouring matters imported for use as such, and organic intermediate products imported for their manufacture), analytical re-agents, all other fine chemicals (except sulphate of quinine of vegetable origin) and chemicals manufactured by fermentation processes (see List H).

3. The other general descriptions set out in the schedule are as follows :—

Lamp-blown ware.

Wireless valves and similar rectifiers, and vacuum tubes.

Ignition magnetos and permanent magnets.

Arc-lamp carbons.

Hosiery latch needles.

Metallic tungsten, ferro-tungsten and manufactured products of metallic tungsten.

4. Articles falling under any of the general descriptions in paragraph 3 and articles included in any of the accompanying lists A to H will, subject to the provisions of the Safeguarding of Industries Act, 1921, be chargeable with duty under Part I. of the Act on and after the 1st October, 1921.

5. The following extracts from the Act are added for information :

### SECTION 1 (4)

Where an imported article is a compound article of which an article liable to duty under this section is an ingredient or forms part, no duty shall be charged under this section in respect of the compound article if the compound is of such a nature that the article liable to duty has lost its identity, and any dispute as to whether an article has lost its identity shall be determined in like manner as disputes as to whether goods are goods specified in the schedule to this Act.

### SECTION 1 (5), last paragraph

If within three months after the publication of any list [of articles issued under Section 1 of the Act] any person appearing to the Board to be interested delivers to the Board a written notice complaining that any article has been improperly included in, or excluded from, the list, the Board shall refer the complaint to the arbitration of a referee to be appointed by the Lord Chancellor, who shall not be an official of any Government department, and the decision of the referee shall be final and conclusive, and the list shall be amended so far as is necessary in order to give effect to the decision, without prejudice, however, to the validity of anything previously done thereunder.

Board of Trade,

September 1921.

## LIST A

OPTICAL GLASS AND OPTICAL ELEMENTS, WHETHER FINISHED OR NOT

Analysers	Lenses—	Mirrors—
Bi-prisms, Fresnel	projection (un-	optically worked
Diffraction gratings	mounted)	Fresnel
Etalon gratings	spectacle (mounted	Mangin
Fresnel rhombs	or unmounted)	Objectives, of all
Glass—	condenser (un-	kinds
optical (p o t o r	mounted)	Oculars, of all kinds
rough)	other unmounted	Optical squares
" sheet	worked elements	Parabolic reflectors,
" moulded	lighthouse, worked	worked
" flats	for gas buoys,	Polarisers
" discs	worked	Prisms, and other
" plates	for ships' lights,	like worked opti-
" b l a n k s,	worked	cal elements
" moulded	dioptric, worked	Prisms, d o u b l e
or pressed	and prisms of	image
" other partly	fluorspar	Proof plates
worked	and prisms of	Quarter wave-plates
Graticules, a n d	rocksalt	Quartz—
worked glass	and prisms of	wedges
diaphragms	quartz	plates
Lenses—	Light filters, opti-	lenses
photographic (un-	cal	prisms
mounted)	Magnifiers	

## LIST B

OPTICAL INSTRUMENTS

Abney levels	Gradiometers	Objectives—
Alidades	Graphoscopes	telescope
Altazimuths	Heliographs	all other types
Amblyscopes	Helimeters	Perimeters
Apertometers	Helistats	Periscopes
Astrophotometers	Horizons, artificial	Phorometers
Auriscopes	Height measuring	Photographic
Binoculars, galilean	instruments, opti-	cameras—
Binoculars, prismatic	cal	with or without
Bubbles (for levels,	Interferometers	lenses
etc.)	Keratometers	finders
Cameras—	Lanterns, optical	objectives
astronomical	Laryngoscopes	Photo-heliographs
photographic	Lecture and experi-	Photo-micrographic
Camerae lucidae	mental apparatus,	apparatus
Camerae obscurae	optical	Photometers, optical
Cathetometers	Lenses, optically	Photometer heads
Cinematographs	worked (mounted)	Polariscopes
Circumferentors	Levels—	Polarimeters
Clinometers (optical)	Abney	Pyrometers (optical)
Cœlostats	dummy	Prismatic apparatus,
Collimators	drainage	oculists'
Collimeters (opti-	reflecting	Quadrants
cal)	pocket	Range-finders
Comparators (stereo)	telescopic	Reading glasses
Compasses, prismatic	" X."	Refractometers
Condensers, optical	bubble (plain tube	Retinoscopes
in mounts	and mirror type)	Rifle sights, optical
Cystoscopes	Linen testers	Rhinoscopes
Cyclophotometers	Magnifiers	Saccharimeters
Dermatoscopes	Mekometers	Sextants
Dichroscopes	Meldometers	(box)
Diffraction appa-	Mica waveplates	Siderostats
ra-tus	Microscopes, with or	Sights, optical
Diploidoscopes	without lenses	Sight - testing ap-
Directors (optical)	Misroscope—	paratus
Dynameters	eyepieces	Skiascopes
Dynamometers (opti-	condensers	Spectacles (lenses
cal)	erectors	only)
Echelon gratings	oculars	Spectrometers
Epidiascopes	objectives	Spectrographs
Etalon gratings	detachable m e-	Spectroscopes
Extensometers	chanical stages	Spectro-polarimeters
Eye glasses (en-	Micrometer micro-	Speculums
gravers', watch-	scopes	Spherometer, optical
makers', &c.)	Micro-spectroscopes	Spinthariscopes
Eyepieces—	Micrometers (posi-	Stereometers
diagonal	tion readers)	Stereoscopes
compensating	Miners' dials	Sunshine recorders
Gauss	Monoculars	Tachometers
Kellner	Nephoscopes	Telemeters
projection	Nicol prisms	Telescopes
Ramsden	(mounted)	Telescope—
Huygenian	Opera glasses	eye-pieces
magnifying	Ophthalmometro-	objectives
all other optical	scopes	erectors
Field glasses	Ophthalmometers	Theatre glasses
Focometers	Ophthalmoscopes	Theodolites
Goniometers	Orthoscopes	Tintometers, optical
Gun sights, optical	Optical benches	Transit instruments
Glasses, engravers',	Objectives—	Trial cases, oculists'
watchmak e r s',	microscope	" sets, oculists'
etc.)	photographic	Viewfinders
		Zenometers



## LIST C

## SCIENTIFIC GLASSWARE

Absorption apparatus	Distillation apparatus (laboratory)	Mercury—reservoirs
Absorption bulbs	Dilators	pipettes
Absorption towers	Dialysers	Mortars and pestles
Adapters	Eudiometers	Mauometers (laboratory)
Air pump receivers	Eyes, artificial human	Measures, cylindrical
Aspirators	Electrolysis tubes	Meyer's apparatus
Ampoules	Filtering apparatus (laboratory)	Nitrometers
Albuminometers	Filter holders	Oleins tubes (Dr. Muler's)
Alkalimeters	Fat extraction apparatus (laboratory)	Percolators
Arsenic testing apparatus	Fractionating apparatus	Pipettes—absorption
Ammonimeters	Funnel—separating	Pumps—air (laboratory)
Alcoholometers	thistle filtering	filter
Argentometers	Flasks—yeast	Sprengel's
Acidimeters	measuring	Pyknometers
Basins—crystallizing	distilling	Potometers
Barometers, mercury, in glass	culture filtering	Piezometers
Barkometers	fractionating	Retorts (laboratory)
Brimometers	stoppered	Receivers—gas
Beakers	extraction	Stopcocks, glass (laboratory)
Boats—weighing	conical	Syringes—glass
combustion, silica ware	serum beaker	hypodermic
Bottles—culture	cement (specific gravity)	Saccharometers
dropping	fractional distillation	Salinometers
weighing	gas generating	Specific gravity apparatus
specimen	Ledebur's	Still heads
serum	Coriell's	Splash heads
Woulf's	specific gravity	Syphons, glass
specific gravity	gas washing	Separators, Thoulet's
reagent	Rufflers	Taps, glass (laboratory)
washing	Nessler's	Test mixers
gas generating	sediment	graduated
gas exploding	test	Towers, drying
gas washing	Gas—regulators (laboratory)	Thermometers
aspirator	holders (laboratory)	Tubes—Soxhlet
ether	analysis apparatus	fractionating
canada balsam	calorimeters	drying
with ground—in	receivers	culture
pipette	drying apparatus	diffusion
Bulbs—nitrogen	regulators (laboratory)	absorbing
absorption	volumeters (laboratory)	condensing
gas absorption	aspirators	gas drying
gas sampling	washing apparatus (laboratory)	gas measuring
vaccine	Hemocytometers	gas sampling
vapour density	Hydrometers	vapour density
potash	Hydrometer jars	absorption
specific gravity	Hempel's apparatus	specimen
condensation	Hoffman's apparatus	graduated gas
Burettes—gas	Jars—bell	U, V, and Y
Butyrometers	for Bruhl's apparatus	weighing
Butter, Wollney's	dressing	U stoppered
apparatus for	gas	calcium chloride
determination of	hydrometer	combustion
volatile fatty	museum	condensation
acids	specimen	Bullock's
Butter, Polenske's	surgical	reduction
apparatus for	deflagrating	test
cocoonut oil	lixiviating	ignition (silica)
Cones, cordite	filtering	specific gravity
Cylinders—measuring	Kipp's apparatus	arsenic
hydrometer	Kirkby-Gutzeit apparatus	Tubing
Calcinometers	Kjeldahl's apparatus	Ureometers
Colorimeters	Lactometers	Urinometers
Colorimeters	Lecture and experimental apparatus	Vapour density apparatus
CO <sub>2</sub> apparatus		Vacuum desiccators
Condensers		Vacuum—flasks (laboratory)*
Cremometers		receivers
Chromometers		vessels for liquid
(Stead's)		gases
Crucibles (silica)		Vials, serum
Combustion boats (silica ware)		Viscosimeters
Desiccators		Water-testing apparatus
Dishes—crystallizing		X-ray tubes (all kinds)
Petri		

\* This does not include the ordinary vacuum flask food containers.

## LIST D

## LABORATORY PORCELAIN

Anaerobic—boxes	Arsenic plates	Baths—air
plates	Balloon filters	water, and cover plates therefor
	Basins	

Beakers	Filter—discs	Pots—dye
Boats—combustion	drainers	Pyrometer tubes
Burners	holders	Retorts
atmospheric	rings	Rings
Bunsen	funnels	Spatulas
Boilers, evaporating	plates	Spoons
Boiling-point apparatus	Flasks	Steam jackets
Beehive shelves	Funnels, plain and	Stills
Blow-pipe jets	filtration including	Strainers
Capsules	Buchner's	Tubes—combustion
Centrifuges	funnels	pyrometer
Casseroles (laboratory)	Jars—assay	furnace
Crucibles	distilling	gas leading
Crystal drainers	nitration	Troughs—mercury
Desiccator plates	Mortars and pestles	staining
Digesters	Mercury—pumps	combustion
Dishes—acid	troughs	wax embedding
crystallizing	Pipette rests	Tiles for arsenic
evaporating	Plates—	testing and colour
for desiccators	for desiccators	comparison
perforated (for	micro slides	Tables (for desiccators)
drying, &c.)	sputum	Trays
staining	weights	Triangles
Draining-tube racks	Pots—	Water baths and
Filter—baskets	perforated, for	cover plates
cones	staining tissues	therefor
	and the like	

## LIST E

## SCIENTIFIC INSTRUMENTS

Ammeters (laboratory and standard)	Electrometers	Permeameters
Accelerometers	Electrodynamometers	Physical lecture and experimental apparatus
Astatic dynamometers	Electroscopes	Potentiometers
Anemometers	Flash-point determining instruments	Photometers
Aneroid barometers	Fluxmeters	Pyrometers (electrical)
Architects' scales	Frequency recorders	Pantographs
Autoclaves (laboratory)	Galvanometers (laboratory and standard)	Planimeters
Altimeters	Galvanoscopes (laboratory and standard)	Protractors
Bridges—permeability	Graphoscopes	Pumps, vacuum (laboratory)
Wheatstone	Gyroscopes, laboratory*	Parallelograms
Balances, analytical, assay, chemical and other precision	Hysteresis testers	Plane tables
Barographs	Hæmacytometers	Pelorus
Barometers (mercury)	Hæmoglobinometers	Rain gauges
Binnacles	Hygrometers	Rules—slide
Boiling-point apparatus	Hypometers	parallel calculating
Bolometers	Hydrographs	Sclerometers
Calculating cylinders, dials and rules	Heliochronometers	Scleroscopes
Calorimeters	Indicators, engine	Screens, fluorescent
Cardiographs	Induction coils (laboratory)	Seismographs
Condensers (laboratory and standard)	Incubators (laboratory)	Set squares
CO <sub>2</sub> recorders	Influence machines (electric) and other static machines	Slide rules
Clinometers (non-optical)	Integrators (planimeter type)	Sounding machines
Comparators and other similar measuring devices of precision	Iris diaphragms	Station pointers
Compasses—drawing	Isographs	Spectroscope slits
beam	Ice calorimeters	Spherometers
proportional	Laboratory furnaces, electrical	Shutter eyepieces
magnetic (not including toys and cheap jewellery)	Magnetometers	Statoscopes
Chronographs (barrel)	Milliamperemeters (laboratory and standard)	Testing sets for electric insulation and conductivity measurements
Curves—French railway ships' other mathematical drawing	Millivoltmeters (laboratory and standard)	Thermometers, mercury in steel
Cross staff heads	Mathematical drawing instruments	Thermometers, metallic resistance
Dynamometers, electro, laboratory and standard	Microtomes	Thermocouples
Drafting machines	Micrometers, for measuring thickness of lenses, plates, paper, etc.	Thermographs
Dividing machines and engines, linear and circular	Meltrometers	Thermostats (laboratory)
	Mining scales	Thermoregulators (laboratory)
	Meters, stream	Tide gauges
	Ohmmeters	"T" squares
	Optometers	Viscosimeters
	Ordnance scale	Voltmeters (laboratory and standard)
	Oscillographs	Wattmeters (laboratory and standard)
	Oscilloscopes	Water tester, Dionio
		X-ray apparatus

\* Does not include toy gyroscope tops.



## LIST F

GAUGES AND MEASURING INSTRUMENTS OF PRECISION OF THE TYPES USED IN ENGINEERING MACHINE SHOPS AND VIEWING ROOMS, WHETHER FOR USE IN SUCH SHOPS OR ROOMS OR NOT

Fixed limit, i.e., "Go" or "Not Go" (whether shop gauges or inspectors' gauges, and whether capable of being adjusted and locked or not)	Standard or reference gauges—	Micrometers—
External—	External—	micrometer measuring machines
caliper or snap gauges	ring—	all other kinds
ring gauges—	screw taper	Vernier measuring tools—
plain or cylindrical	Internal—	slide gauges or callipers
screw taper	plug—	depth gauges
Internal—	cylindrical	height gauges
plug—	screw taper	protractors
cylindrical	end point gauges	gear tooth
screw taper	standard—	all other types of
end point gauges and telescoping gauges	straight edges	Dial test indicators and accessories
Special purpose gauges, all types	surface plates	Needle test indicators and accessories
Standard or reference gauges	block gauges or slip gauges, or reference discs	Scribing blocks of precision or surface gauges
External—	end measuring rods	Surface plates, scraped
caliper or snap ring—	cylindrical gauges	Thickness gauges or feelers
plain or cylindrical		Precision squares, all types
		Bevel protractors
		Centre squares
		Measuring machines
		Comparators
		Dial index
		Needle index
		Fluid index
		All other

## LIST G

COMPOUNDS (NOT INCLUDING ORES OR MINERALS) OF THORIUM, CERIUM, AND THE OTHER RARE EARTH METALS

The heading covers:—

Thorium compounds	Cerium compounds	Compounds of the other rare earth metals
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"Other Rare Earth Metals" including the following:—

Celtium	Lanthanum	Scandium
Dysprosium	Lutecium	Terbium
Erbium	Neodymium	Thulium
Europium	Praseodymium	Ytterbium
Gadolinium	Samarium	Yttrium
Holmium		

Principal compounds of the above metals include the following:—

Acetate	Fluoride	Oxalate
Acetylacetonate	Hydroxide	Oxide
Bromide	Iodide	Sulphate
Carbonate	Nitrate	Sulphide
Chloride		

Compounds of thorium and cerium in further detail are as follows:—

## (a) Compounds of Thorium:—

Thorium—	Thorium—	Thorium—
acetate	dioxide	potassium carbonate
acetylacetonate	fluoride	ate
ammon. carb.	hydroxide	potassium nitrate
ammon. nitrate	hypophosphate	potassium oxalate
ammon. oxalate	iodate	potass. phosphate
ammon. phosphate	iodide	potass. sulphate
ammon. sulphate	magnesium nitrate	pyridine nitrate
ammon. thallium carbonate	manganese nitrate	pyridine sulphate
arsenate	metaphosphate	sodium bisulphite
boride	molybdate	sodium bisulphate
bromate	nickel nitrate	quinoline nitrate
bromide	nitrate	quinoline sulphate
bromophosphate	nitride	rubidium nitrate
caesium nitrate	oleate	selenate
carbide	orthophosphate	selenite
carbonate	oxalate	siliolate
carbonate (basic)	oxide	sodium carbonate
chlorate	oxybromide	sodium nitrate
chlorophosphate	oxychloride	sodium oxalate
chromate	oxysulphide	sodium phosphate
cobalt nitrate	phenazone nitrate	sodium sulphate
diethylamine sulphate	phenylhydrazine sulphate	sulphate (basic)
diethylamine sulphate	phosphate (acid)	sulphide
		sulphite
		sulphite (basic)
		zinc nitrate

## (b) Compounds of Cerium:—

Cerium—	Cerium—	Cerium—
acetate	dioxide	potassium carbonate
acetylacetonate	fluoride	ate
ammon. carbonate	gold bromide	potassium nitrate
ammon. citrate	gold chloride	potassium sulphate
ammon. nitrate	hexamethylen ete-	pyridine chloride
ammon. sulphate	tramine chloride	pyridine nitrate
antim. chlor.	hydride	pyridine sulphate
arsenate (acid)	hydroxide	quinoline nitrate
benzoate	hypophosphite	quinoline sulphate
bismuth bromide	iodide	rubidium nitrate
bismuth chloride	lactate	salicylate
bismuth oxalate	magnesium nitrate	selenate
bismuth salicylate	manganese nitrate	sodium carbonate
bismuth valer.	mercury chloride	sodium nitrate
bromide	nickel nitrate	sodium sulphate
cadmium sulphate	nitrate	sulphate
caesium nitrate	nitride	sulphate (acid)
calolum fluoride	oxalate	sulphide
(artificial)	oxide	thallium sulphate
carbide	oxychloride	tin bromide
carbonate	phosphate	tin chloride
chloride	piperidine nitrate	tin sulphate
citrate	platinum chloride	valerianate
cobalt nitrate		zinc nitrate

## LIST H

## Remarks

*D* signifies that the chemical indicated is covered by the Dyestuffs (Import Regulation) Act, 1920, and comes within the scope of the present Act only when importation has been permitted for purposes other than those with which the Dyestuffs Act is concerned.

*R* signifies that the chemical indicated is included only when it is "pure," "puriss," "extra pure," "B.P.," "Ph.G.," "A.R.," "for analysis," "reagent" or when it is of special quality for meeting special tests for purity, and not when it is the crude product.

In the case of acids, alcohols, aldehydes, and soziodols, these words are placed first in the list.

Amido	= Amino.
Benzol	= Benzene.
Bi	= Di.
Hydrobromate	= Hydrobromide.
Hydrochlorate	= Hydrochloride.
Hydroxide	= Hydrate.
Toluol	= Toluene.
Valerianate	= Valerate.

*o* = Ortho. *m* = Meta. *p* = Para.

"Cupric" and "Cuprous," see "Copper."

"Ferric" and "Ferrous," see "Iron."

"Stannic" and "Stannous," see "Tin."

"Ethers," see under "Ethyl," e.g., Ether Butyric (or Butyric Ether) = Ethyl butyrate, Ether Aceto-acetic = Ethyl Aceto-acetate, but "Sulphuric Ether"—see "Ether (Sulphuric)."

In this list the prefixes (ortho, meta, para, alpha, beta, mono, bi, tri, iso, etc.) are added to the names of those forms of chemicals covered by the Dyestuffs Act except when all the forms of those chemicals are covered by that Act. The prefixes are not in all cases added to names of chemicals not covered by the Dyestuffs Act because all forms of the organic chemicals in this list are covered by the schedule to the Safeguarding of Industries Act.

Abanone	Acetone R	Acetyl—
Abrastol	Acetone—	-ethoxyphenylur-
Acenaphthene	(fermentation)	ethane
Acetal	chloride	-glycocol
Acetaldehyde—	-chloroform	-methyl - hexyl -
cyanhydrin	-cyanhydrin	ketone
phenyl hydrazone	-phenylhydrazone	-methyl - propyl -
sodium-bisulphite	-semicarbazone	ketone
Acetaldehyde	-sodium bisulphite	-phenetidine
Acetamide	Acetonitrile	-phenol
Acetamidin hydro-	Acetonyl-acetone	-phenylene - dia-
chloride	Acetophenone	mine D
Acetamidosalol	oxime	-phenylhydrazine
Acetaminol	phenetidine	-resorcinol
Acetanilide D	citrate	-tannin
Acetic anhydride	Acetopyrine	-thymol
Acetimidio-ethylether	Acetosol	-tropin
hydrochloride	Acetothienone	Acetyl-amido anthra-
Acetine	Acetotoluide	quinone
Acetnaphthalide	Acetoxime	phenol salicylate
Acetpara—	Acet-xylidide	Acetylene—
amidosalol	Acetyl-acetone	dichloride
phenetidine	atoxyl	tetrabromide
Aceto-acetic anilide	bromide	tetrachloride
Acetomorphine	chloride	-urea
hydrochloride	-cresol	Acetysal
Acetonal	-diphenylamine	Achibromin



<b>Achiodin</b>	<b>Acid—</b>	<b>Acid—</b>	<b>Acid—</b>	<b>Acid—</b>	<b>Alcohol—</b>
acid—	carbolic (synthetic) <i>D</i>	bumic	oleic <i>R</i>	sulpho-benzide sulphonic	capryl
abietic	carbolic <i>R</i>	hydriodic	opianic	phenolic	ceryl
acetic 80 per cent.	carbomethoxysalicylic	hydrobromic	osmic	sulpholeic	cetyl
grade or higher	catechic <i>R</i>	hydrochloric <i>R</i>	oxalic	sulpho-molybdic	cinnamyl
acetic (synthetic)	catechu-tannic <i>R</i>	hydrocinnamic	oxalmolybdic	phenylic <i>D</i>	cuminic
acetic anhydride	cerotic	hydrocoumaric	oxaminic	salicylic	deeryl
aceticuric	cetraric	hydrocyanic	oxanilic	sulphuric <i>R</i>	dibrom-propyl
acetyl coumaric	cetyl-malonic	hydrofluoric <i>R</i>	oxybenzoic ortho- <i>D</i>	tannic <i>R</i>	dodecyl
acetylsalicylic	chloroacetic	hydrofluosilicic	meta- <i>D</i>	tartaric	duodecyl
aconic	chlor-benzoic	hydrothiocyanic	para-	tartronic	ethylene
aconitic	chloric	hypophosphorous	oxybutyric	telluric	furfuryl
acrylic	chlorocrotonic	indigosulphuric <i>D</i>	iso-	tellurous	heptyl
adipinic	chlorocrotonic iso-	iodic	oxynaphthoic <i>D</i>	terebinic	hexyl
agaric	chlor-succinic	iodo-benzoic	oxyphenylsulphonic	terephthalic	isobutyl
allyl acetic	cholalic	propionic	oxypropionic	terphenylic	isopropyl
allyl malonic	chromic	-tannic	palmitic <i>R</i>	tetraphoric	methyl <i>R</i>
aloetic	chromotrope <i>D</i>	iodosobenzoic	parabanic	tetra-chlor-phtalic <i>D</i>	methyl (synthetic)
amido-acetic	chrysaminic	isoaethionic	parasorbinic	tetraoxystearic	nitro-benzyl, ortho- <i>D</i>
-benzoic <i>D</i>	chrysophanic	isoamyl-acetic	paratartronic	thioacetic	meta-
-butyric	cinnamic	isophthalic	perchloric	thio-diglycollic	para-
-caproic	citraconic	isopropyl acetic	periodic	glycollic	nonyl
-cinnamic	citric	malonic	perosmic	lactic	octyl
-isobutyric	copaivic	isotrioxystearic	phenoxyl-acetic	thiophene carbonic	phenyl-ethyl
-isovaleric	creosotinic ortho- <i>D</i>	itaconic	phenyl-acetic <i>D</i>	thymine	-propyl
-nap h t b o l	meta-	itadibrompyrotartaric	-amido-acetic	thymolsulphonic	piperonyl
sulphonic	para-	lactic	antbranilic	tiglic	propyl
-phenyl-	crotonic	laevulinic	brom-acetic	titanic	propylene
arsinic	crotonolico	lauric	cineboninic	anhydride	trichlor-butyl
-propionic	cuminic	maleic	glycine-o-	toluene sulphonic	trichlor-isopropyl
-salicylic <i>D</i>	cyanacetic	malic	carbonic <i>D</i>	toluic alpha-	undecyl
-succinic	cyanuric	malonic	hydrazine-	ortho-	undecylene
-sulpho salicylic	dehydracetic	mandelic	sulphonic, para <i>D</i>	meta-	Aldehyde—
-sulphonic	di-allyl barbituric	meconic	iso-crotonic	para-	acetic
-valeric	diazobenzosulphonic	mellitic	beta-naphthocinchonic	tribenzoyl gallic	ammonia
amygdalic	nic para-	mesaconic	paracomic	tribrom-acetic	anil
anacardic	diazosalicylic	metanilic <i>D</i>	propionic	tricarballic	anisic
anemonic	dibromogallic	methylene-digallic	propionic	trichlor-acetic	butyl
anistic	dibromopropionic	methyl ether salicylic	salicylic	butyric	cinnamic
anthranilic <i>D</i>	succinic	methyl-ethyl-acetic	salphoricinic	lactic	cumic
anthraquinone-sulphonic <i>D</i>	dichloracetic	malonic	phosphoric	triglycolamide	deeryl
antimonic	dichlor-phthalic <i>D</i>	tartaric	anhydride	trimethyl-acetic	duodecyl
arachnic	diethyl-acetic	molybdic	phosphorous	triphenyl-acetic	formic
arsanilic	-barbituric	monobrom-acetic	phospho-antimonic	tropic	heptyl
arsenic	-malonic	-benzoic	tungstic	tungstic	hexylenic
arsenious <i>R</i>	-metanilic	-butyric	ulmenic	undecylenic	hexylic
asparaginic	-oxy-acetic	-propionic	phthalic <i>D</i>	uranic	isobutyl
aspartic	diglycolamide	-succinic	anhydride <i>D</i>	uric	methoxy-cinnamic
atropic	di-iodoparaphenol-sulphonic	crotonic	picolinic	uric	nonyl
-iso-	di-iodo-salicylic	monoiodosalicylic	pielonic	valerianic	octyl
azelaic	di-methyl-amido-	mucic	pielonic	vanadic	para-methyl hydro-
azoxy-benzoic	azo-benzene ortho-	muco-bromic	pielonic	vanillinic	cinnamic
azoxy-cinnamic	carbonic	-chloric	pielonic	vanillic	phenyl acetic
barbituric	dimethyl-malonic	myristic	pielonic	veratrilic	propyl
benzene-sulphonic	dinitro-benzoic	naphthalenesulphonic <i>D</i>	piperonic	violinic	pyrocatechuic
benzile	-stilbene di-	naphthionic <i>D</i>	propionic	xanthogenate acetic	salicyl <i>D</i>
benzoic <i>D</i>	sulphonic <i>D</i>	alpha-naphthoic	anhydride	propionic	tetradecyl
anhydride	dioxibenzic <i>D</i>	beta-	propylacetic	pyroacetic	tridecyl
benzolsulphonic <i>D</i>	dioxystearic	alpha-naphthol - disulphonic <i>D</i>	protocatechic <i>D</i>	pyrogallie <i>D</i>	undecyl
benzyl - brom-	diphenic	beta-naphthol - disulphonic <i>D</i>	pyrogallol-carbonic	pyromucic	undecylenic
malonic	diphenylphosphoric	alpha-naphthol - sulphonic <i>D</i>	pyromucic	pyrophosphoric	valerianic
benzyl-malonic	dipropyl-barbituric	beta-naphthol - sulphonic <i>D</i>	pyrosulphuric <i>R</i>	pyrotartaric	Aletochin
bulphonic <i>D</i>	-malonic	alpha-naphthylamine	pyruvic	quercitannic <i>R</i>	Alendrin
bismuthic	elaiidic	disulphonic <i>D</i>	quinic	quinoleic <i>D</i>	Alizarine <i>D</i>
boric	ellagic	beta-naphthylamine	quinoleic <i>D</i>	quinolinic <i>D</i>	Alkalal
boro-benzoic	embolic	disulphonic <i>D</i>	racemic	resoreindisulphonic	Allantoin
-hydrofluoric	eosolic	beta-naphthylamine	resoreindisulphonic	ricinolic	Allosan
-tungstic	ergotinic	disulphonic <i>D</i>	rufigallie	salicylic	Alloxan
brom-acetic	erucic	beta-naphthylamine	saccharic	salicylous <i>D</i>	Alloxantin
-benzoic	ethyl malonic	disulphonic <i>D</i>	saccharo-lactonic	santalal	Allyl—
-butyric	succinic	beta-naphthylamine	salicylamideglycollic	santalonic	acetone
-camphor-sulphonic	sulphuric	disulphonic <i>D</i>	salicylic <i>D</i>	santoninic	bromide
-cinnamic	tartaric	beta-naphthylamine	salicylous <i>D</i>	sclerotinic	cinnamate
-isobutyric	eucronic	disulphonic <i>D</i>	santalal	sebacinic	iodide
-isocaproic	euxanthic	beta-naphthylamine	santalonic	selenic	isothiocyanate
-isovaleric	ferrohydrocyanic	disulphonic <i>D</i>	santoninic	selenous	paracetaminopeb-
-palmitic	filicic	beta-naphthylamine	santoninic	silicic <i>R</i>	phenyl cinebonine
-propionic	formic	disulphonic <i>D</i>	sebacic	silico-tungstic	ester
-stearic	fumaric	beta-naphthylamine	selenic	silvinic	phenyl-thiocarb-
-succinic	gallaminic	disulphonic <i>D</i>	silicic <i>R</i>	sorbic	amide
bromic	gallic	beta-naphthylamine	silicic <i>R</i>	sozolic <i>D</i>	Agaricin
butylacetic	gallotannic <i>R</i>	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	Agathin
butyl malonic	gentisinic <i>D</i>	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	Agrin
butyric	glutaminic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	Airoform
-iso-	glutaric	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	Airogen
butyryl-salicylic	glycerinic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	Airol
cacodylic	glycero-phosphoric	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	Ajapol
caffenosulphuric	glycocholic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	Alalin
caffetannic	glycolic	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	Alcohol—
camphenic	glyconic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	absolute
campho-carbonic	guaiacolic carbonic	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	acetyl propyl
camphoric	guaiacolic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	allyl
-anhydride	gynemic	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	amido-ethyl
camphoronic	gynocardic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	amyl <i>R</i>
camphor sulphonic	heptylic	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	benzyl <i>D</i>
capric	hexa-brom-stearic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	butyl iso-
caproic	hippuric	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	normal
caprylic	homo-oxy-benzoic	disulphonic <i>D</i>	silicic <i>R</i>	stearic <i>R</i>	secondary
carbazoic <i>D</i>	homo-phtalic	beta-naphthylamine	silicic <i>R</i>	stearic <i>R</i>	tertiary



Aluminium— aceto-borate aceto-glycerinate aceto-tartrate ammonium chloride ammonium sul- phate <i>R</i> arsenate benzoate bichromate bifluoride bisulphite borate boro-formate " -tannate " -tannio tar- trate " -tartrate bromide chlorate chloride (anhy- drous) citrate fluoride hydroxide (hy- drate) <i>R</i> hypophosphite iodide naphthol sulpho- nate nitrate oleate <i>R</i> oxalate oxide <i>R</i> palmitate <i>R</i> phosphate potassium chloride potassium sulphate <i>R</i> pyrophosphate salicylate selenide silicate <i>R</i> silico-fluoride sodium chloride sodium tartrate stearate <i>R</i> subgallate subtannate sulphate <i>R</i> sulphide sulpho-carbolyte sulphocyanide tannate tartrate thiocyanate zinc sulphate Alumol Alypin Amarin Amenyl Amidacetyl pheneti- dine hydrochlorate Amido— -acetal -acetophenone-para- -acetparapheneti- dine -anthraquinone <i>D</i> -antipyrine " bicaampho- rate " butylchlo- ralate " camphorate salicylate -azobenzol <i>D</i> " hydrochlo- ride <i>D</i> -azotoluol <i>D</i> " sulphate <i>D</i> -benzaldehyde <i>D</i> -dimethyl-aniline, para- <i>D</i> -diphenylamine, para- <i>D</i> -diphenylamine, hydrochloride, para- <i>D</i> -guanidine acetate bicarbonate " hydrochlo- ride " nitrate " sulphate -orein hydrochlo- ride -phenacetine hy- drochlorate -phenol <i>D</i> " hydrochlo- ride <i>D</i> " sulphate <i>D</i> -xylol <i>D</i>	Amidol <i>D</i> Amidopyrin Aminoform Ammonium— acetate anacardate arsenate arsenite benzene-sulphonate benzoate biacetate biboate bicarbonate bichromate bifluoride bimalate binoxalate biphosphate bipropionate bisulphate bisulphite bitartrate borate boro-citrate borofluoride bromide bromcamphor-sul- phonate butyrate camphorate carbamate carbonate carminate chloride <i>R</i> chloroplatinate chromate citrate dithiocarbamate embelate ethylsulphate ferrio-oxalate ferricyanide ferrocyanide fluoride formate gallate glycerate glycero-phosphate hippurate hypophosphite hyposulphite iodate iodide lactate malate malonate mellitate methyl sulphate molybdate mucaate nitrate <i>R</i> nitrite oleate <i>R</i> oxalate oxalurate oxamate palmitate <i>R</i> perchlorate persulphate phosphate phosphite phospho-molybdate " -tungstate phthalate chloride picraminate picrate potassium bi-malate " chromate pyrophosphate racemate salicylate selenate selenite silico-fluoride sodium arsenate " oxalate " phosphate " tartrate stearate <i>R</i> succinate sulphate <i>R</i> sulph-hydrate <i>R</i> sulphide <i>R</i> sulphite sulpho-carbolyte " -carbonate " -cyanide " -ichthyol " -ricinate " tellurate tartrate tellurate tellurite thioacetate	Ammonium— thiocarbaminat thiocyanate thionurate thiomolybdate thiosulphate triborate trichromate tri-iodate tungstate uranate urate uvate valerianate vanadate Amphotropin Amyl— acetate aniline benzoate bromide butyrate carbamate chloracetate chlorcarbonate chloride cinamate cyan-acetate cyanide diethyl carbinol dimethyl carbinol ether formate heptylate hydrocupreine hydrosulphide iodide malonate nitrate nitrite oxalate phthalate propionate salicylate silicate sebocate succinate sulphide sulph-hydrate sulphocyanide thiocyanate urea valerianate Amylamine hydrochlorate Amylarine Amylene bromide hydrate hydrate-bromiso- valerate iodide Anæsthesine Anæsthone Anæsthyll Anagryne hydrobro- mate Analgene Analgesin caffeine-citrate Analutos Anethol Anhalonidinhydro- chloride Anhalonin hydro- chloride Anhydroecgonin hydrochloride Anhydroformaldehyde Anhydroglyco-chloral Aniline <i>D</i> acetate di-iodide fluoride hydriodide hydrobromate hydrochlorate <i>D</i> iodide nitrate <i>D</i> oxalate citrate phosphate sulphate <i>D</i> tribromide Anisaldehyde Anisic chloride Anisidine— ortho- <i>D</i> para- <i>D</i> Anisol Anodynine Anogon Antacedin Anthracene <i>R</i>	Anthraquinone <i>D</i> Anthrarobin Antifebrin <i>D</i> Antifungin Antilueticin Antimony— arsenate arsenite chloride <i>R</i> fluoride iodide lactate oxalate oxide <i>R</i> oxychloride oxydide pentachloride perchloride pot. oxal. pot. tart. sodium tart. sulphate sulphide trichloride Antiosin Antiperiostin Antipyonin Antipyrine— amylalate salicylate valerianate Antiseptin Antiseptol Antispasme Antithermine Antitussine Antodin Anusol Aperitol Apiol Apoatropine hydrochlorate sulphate Apocodine hydro- chlorate Apocynin Apolsine Apomorphine hydrochlorate Aponal Appallagin Apyron Arabinose <i>R</i> Arbutin Archenal Archibromin Archiodin Arecoline— hydrobromate hydrochlorate Argylan Argyrol Aristochin Aristol Aristoquinine Arrhenal Arsacetin -quinine Arsalyt Arsamin Arsenic— bromide chloride iodide penutal sulphide <i>R</i> sulphide <i>R</i> Arsen-phenolamine Arsenobenzol Arsenobillon Arterenol Arthriticine Asepsine Aseptol Asiphyll Asparagin sulphate A. p. dosamine hydrochlorate Aspidospermine citrate hydrochlorate sulphate Aspirin soluble Aspirophen Asquiritol Asterol Astrolin Asurol Asyphil Atophan Atoquinol Atoxyl	Atrinal Atropine arsenate borate hydrobromate hydrochlorate methylbromide nitrate nitrite salicylate sulphate valerianate Atroscin hydrobromate Atyrosyl Aubepine Azobenzene <i>D</i> Azobenzol <i>D</i> Azolitmin Azovernin Azoxyanisol, para- Azoxybenzene <i>D</i> Azoxyphenetol, para- Barbitone -sodium Barium— acetate aluminate amylsulphate benzene-sulphonate benzoate benzosulphonate bichromate binoxalate borate boro-tungstate bromate bromide butyrate carbonate <i>R</i> chlorate chloride <i>R</i> chromate citrate cyanate cyanide ethylsulphate ferrocyanide fluoride formate hippurate hydroxide (hydrate) hypophosphite hyposulphate hyposulphite iodate iodide isobutyrate lactate malonate manganate methylsulphate mesoxalate molybdate -naphthalene sul- phonate β-naphthalene sul- phonate nitrate nitrite nitro-hydroxyl- amine nitro-toluene- sulphonate oleate <i>R</i> oxalate oxide <i>R</i> perchlorate permanganate peroxide <i>R</i> phenol sulphonate phosphate phosphide phosphite platinocyanide potassium chlorate " ferrocyanide propionate saccharate salicylate selenate silicate silicide silico-fluoride succinate sulphate <i>R</i> sulphide <i>R</i> sulphite sulphobenzonate sulphocyanide sulphophenylate tannate tartrate thiocyanate thiosulphate	Barium— toluene sulphonate trichloracetate tungstate valerate Bebercine— hydrochlorate sulphate Belladonnine Benzacetine Benzal— aniline chloride <i>D</i> ethylamine methylamine semicarbazone Benzaldehyde <i>D</i> -cyanhydrin -sodium bisulphite Benzaldoxime Benzamide Benzamidine hydro- chloride Benzamido-semi- carbazide Benzamine hydrochloride lactate Benzanalgene Benzanilide Benzanthrone <i>D</i> Benzene— azo-α-naphthyl- amine -sulphamide -sulphonic chloride Benzenyl trichloride Benzenylamidothio- phenol Benzidine <i>D</i> acetate hydrochloride <i>D</i> sulphate <i>D</i> Benzil Benzol— -eugenol -iodhydrin -naphthol -phenol <i>R</i> -phenol (synthetic) <i>D</i> trichloride <i>D</i> Benzolc— anhydride sulphimide Benzol <i>R</i> Benzol— bichloride <i>D</i> bromide chloride <i>D</i> hexachloride iodide perchloride sulphochloride Benzonitrile Benzophenone chloride oxime Benzozquinone Benzosalin Benzosol Benzoyl— acetone alanine amino anthra- quinone bromide chloramylamine chloride <i>D</i> ecgonin guaiaccol lupinin hydro- chloride α-naphthalide β- peroxide phenylhydrazine piperidine pseudotropein hydrochloride sodium thymol benzoate thymol Benzotoluid— ortho- para- Benzyl— acetate aniline <i>D</i> benzoate bichloride <i>D</i> bromide butyrate carbamide chloride <i>D</i>
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<p><b>Benzyl</b>— cinnamate cyanide ether ethylaniline <i>D</i> ethyl ether formate hydrochlorate methylamine methylether methylketone morphine phenylhydrazine propionate salicylate sulph-hydrate sulphide sulphonic chloride <i>D</i> urea valerate</p> <p><b>Benzylamine</b> <b>Benzylidene</b>— acetone acetophenone acetoxime <b>Berberine</b> carbonate hydrochloride sulphate hydro- <b>Beryllium</b>— carbonate chloride hydrate nitrate oxide potassium fluoride sodium fluoride sulphate</p> <p><b>Betain</b>— hydrochlorate</p> <p><b>Betol</b> <b>Bismal</b> <b>Bismuth</b>— acetate albuminate ammonium citrate benzoate betanaphtholate borate bromide camphorate carbonate cerium citrate " oxalate " salicylate " valerianate chloride chromate citrate di-thio-salicylate gallate glycerophosphate hydrate iodate iodide iodo-resorcinol sul- phonate lactate molybdate naphtholate, beta- nitrate oleate <i>R</i> oxalate oxide oxybromide oxychloride oxyiodide oxyiodogallate oxyiodopyrogallate permanganate peroxide phenylate phosphate phospho-lactate potassium fluoride <i>D</i> " iodide " tartrate propionate pyrogallate resorcinolate salicylate sodium benzoate " iodide " salicylate subbenzoate subgallate subnitrate subsalicylate sulphophenylate sulphate sulphide sulphite tannate</p>	<p><b>Bismuth</b>— tartrate teroxide tribromophenol trichloride tungstate valerianate</p> <p><b>Biuret</b> <b>Blankit</b> <b>Blenal</b> <b>Boral</b> <b>Boric anhydride</b> <b>Borneol</b> (synthetic) <b>Bornyl</b>— acetate phenylacetate butyrate chloride formate propionate valerate <b>Bornylamine</b> <b>Bornylal</b> <b>Bornylidene</b>— new <b>Boron</b>— tribromide trichloride <b>Boroverdin</b> <b>Borsalyl</b> <b>Brenzcin</b> <b>Brenzcatechinmethyl-</b> benzylether <b>Brom</b>— -acetanilide -acetophenone -acetyl bromide " chloride -aniline <i>D</i> -anisol -benzal bromide -benzaldehyde -benzene -benzoyl chloride -butyryl bromide -camphor " -sulpho- chloride -cyanogen -dinitro-benzene -ethyl-phthalimide -iodobenzene -isobutyryl bromide -isocaproic bromide " chloride " glycine -isovaleryl bromide " oxalate -naphthalene -nitrobenzene -phenetol -phenol -phenylhydrazine " hydro- chloride -pinacoline -propionyl bromide -propionyl-phthalimide -salicylaldehyde -styrol -toluene <b>Bromal</b> cyanhydrin hydrate <b>Bromaline</b> <b>Bromamide</b> <b>Brometone</b> <b>Bromine R</b> <b>Brom-malonicacid-</b> ethyl-ether <b>Bromo-caffeine</b> <b>Bromochinol</b> <b>Bromoforn</b> <b>Bromol</b> <b>Bromophenacetin</b> <b>Bromopyrin</b> <b>Bromoquinol</b> <b>Bromural</b> <b>Brophenin</b> <b>Brovalol</b> <b>Brucine</b>— " hydrobromate " hydrochlorate " nitrate " phosphate " sulphate <b>Burmol</b> <b>Butipyrine</b> <b>Butyl</b>— acetate aldehyde aldehyde cyan- hydrin benzene benzoate bromate bromide butyrate</p>	<p><b>Butyl</b>— carbamate carbylamine chloral chloral-cyanhydrin chloralhydrate chloride chloro-carbonate cyan-acetate formate iodide isothiocyanate nitrate nitrite phenylacetate phenylate propionate salicylate sulph-hydrate sulphide tartrate thiocyanate valerianate</p> <p><b>Butylamine</b> <b>Butylene bromide</b>— iso- pseudo- <b>Butyramide</b> <b>Butyranilide</b> <b>Butyric anhydride</b> <b>Butyric</b> <b>Butyronitrile</b> <b>Eutyryl chloride</b> <b>Buxin</b> <b>Cacodyliaccol</b> <b>Cadaverin</b> <b>Cadmium</b>— acetate ammon. bromide ammon. iodide arsenate arsenite boro-tungstate bromide carbonate chloride chlorate chromate cyanide fluoride hydroxide iodate iodide nitrate oxalate oxide phosphate potassium cyanide potassium iodide silicate succinate sulphate sulphide sulphite tartrate tungstate valerianate</p> <p><b>Cesium</b>— alum. sulphate bromide carbonate chloride hydroxide iodide nitrate sulphate</p> <p><b>Caffeine</b>— ammon. citrate arsenate benzoate citrate hydrobromide hydrochlorate salicylate sodium benzoate " bromide " citrate " iodide " salicylate sulphate triiodide valerianate</p> <p><b>Calcium</b>— acetate <i>R</i> acetyl salicylate aluminat arsenate arsenite benzoate bichromate bimalate biphosphate <i>R</i> bisulphite <i>R</i> bitartrate</p>	<p><b>Calcium</b>— borate boro-citrate bromide butyrate cacodylate carbonate <i>R</i> chinate chlorate chloride <i>R</i> chlorohydrophos- phate chlorohydrosulphate chromate cinnamate citrate <i>R</i> ethylsulphate ferri cyanide ferrocyanide ferro-phospholactate fluoride <i>R</i> formate glycerinate glycerophosphate glycero-lactophos- phate glycolate guayacol sulphonate heptylate hippurate hydrocinnamate hydroxide <i>R</i> hypophosphite hyposulphite iodate iodide isobutyrate kakodylate lactate lactophosphate magnesium phos- phate <i>R</i> malate malonate meconate methylate methylsulphate molybdate nitrate <i>R</i> nitrite oleate <i>R</i> oxalate oxide <i>R</i> palmitate <i>R</i> permanganate peroxide phenol sulphonate phenylacetate phenylate phosphate phosphate <i>R</i> phosphite phospholactate phthalate plumbate propionate pyrophosphate saccharate salicylate santoninate selenite silicate <i>R</i> silico-fluoride stearate <i>R</i> succinate sulphate <i>R</i> sulphide <i>R</i> sulphite <i>R</i> sulphocarbolate sulphocyanide superoxide tannate tartrate thiocyanate thiosulphate trichloracetate trichlorophenylate tungstate urate valerianate</p> <p><b>Calomel</b> <b>Camphene</b> <b>Camphicenic nitrile</b> <b>Camphor</b> (synthetic) benzoate bromide, di- " mono- chloride citrate naphthalate -oxime phenylate</p>	<p><b>Camphor</b>— -quinone salicylate valerianate <b>Camphoral</b> <b>Camphoric anhydride</b> <b>Camphoric imide</b> <b>Canadin hydro-</b> chlorate <b>Cantharidin</b> <b>Capronamide</b> <b>Capronitrile</b> <b>Capronyl chloride</b> <b>Capryl acetate</b> <b>Caprylyl chloride</b> <b>Carbamide</b> <b>Carbazol</b> <b>Carbon</b>— bisulphide <i>R</i> dichloride hexachloride oxysulphide tetrabromide tetrachloride trichloride <b>Carophyllene</b> <b>Carpain</b> hydrochlorate <b>Carvacrol</b>— iodide -phthalein <b>Carvene</b> <b>Carvol</b> <b>Carvone</b> <b>Carvonoxime</b> <b>Cedren</b> <b>Celotropin</b> <b>Cellulose acetate</b> <b>Cephaeline</b> hydrochloride <b>Cerium compounds</b> * <b>Cetiacol</b> <b>Cetyl iodide</b> <b>Cevadin</b> <b>Chelene</b> <b>Chelidonine</b> hydrochlorate phosphate sulphate tannate <b>Chinaldine D</b> <b>Chinaldine sulphate</b> <i>D</i> <b>Chinaphenin</b> <b>Chinaphthol</b> <b>Chinhydrin</b> <b>Chininum lygosina-</b> tum <b>Chinoform</b> <b>Chinoline</b> (synthetic) <i>D</i> <b>Chinoline</b> -chlor-iodine -chlor-iodine chlor- methylate ethyl iodide -hydrochinone hydrochlorate -iodine methylate salicylate sulphate tartrate <b>Chinosol</b> <b>Chlor</b>— -acetal -acetamide -acetyl -acetone -acetophenone -acetyl chloride -aldehyde-alcoholate -aniline <i>D</i> -anthraquinone <i>D</i> 1 " 2 -benzal -benzal chloride -benzaldehyde, ortho <i>D</i> -benzaldehyde, meta <i>D</i> -benzaldehyde, para- -benzanthrone <i>D</i> -benzene <i>D</i> -benzoyl chloride -benzyl chloride, ortho- para <i>D</i> -brombenzene -butol -cresol <i>D</i> -cresyl acetate -dinitrobenzol <i>D</i> -ethylene-chloride</p>	<p><b>Chlor</b>— -hydrate -hydrin -iodobenzene -methylether -methyl sulphate -naphthalene <i>D</i> -nitrobenzol ortho- <i>D</i> -nitrobenzol meta- -nitrobenzol, para- <i>D</i> -phenol <i>D</i> -phenyl-thiourea -picrin -propylene -toluene <i>D</i> <b>Chloral</b> alcoholate ammonium antipyrine caffeine camphorate cyanhydrate cyanhydrin formamide hydrate urethane <b>Chloralamide</b> <b>Chloralimide</b> <b>Chloralose</b> <b>Chloramine-T</b> <b>Chloranil D</b> <b>Chloreton</b> <b>Chlorin</b> <b>Chloroform</b> <b>Chlorogenine</b> <b>Chlorosalol</b> <b>Chloryl</b> anesthetio <b>Cholesterin</b> <b>Cholesteryl</b>— acetate caprinate cinnamate <b>Choline hydrochlorate</b> <b>Chrome-alum</b> <b>Chromium</b>— acetate <i>R</i> ammon. sulphate anhydride bi-sulphite chloride citrate fluoride hydroxide nitrate oxalate oxide oxychloride phosphate potassium oxalate " sulphate sesquibromide sesquichloride silicate sulphate sulphide <b>Chromoforn</b> <b>Chrysarobine</b> triacetate <b>Chrysoform</b> <b>Cinchonamine</b> hydrochlorate nitrate sulphate <b>Cinchonidine</b> dihydrobromate hydrochlorate hydroiodate iodosulphate salicylate sulphate tartrate <b>Cinchonine</b> ferro-citrate glycyrrhizinate hydrobromate hydrochlorate iodo-sulphate nitrate salicylate sulphate tannate <b>Cineol</b> <b>Cinnamic amide</b> anhydride aniline chloride <b>Cinnamoyl para-oxy-</b> phenyl-urea <b>Cinnamyl</b>— butyrate cinnamate</p>
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\* See List G.



Cinnamyl— formate propionate Cinnamylidene aceto- phenone Citarin Citral Citraconic anhydride Citrocoll Citronellal Citronellol Citronellyl— acetate formate Citrophene Cobalt— acetate ammon. cyanide " nitrite " oxalate " sodium " cyanide ammon. sodium " nitrite " sulphate arsenate barium cyanide bromide carb. chloride chlorate chromate citrate cyanide fluoride formate hydroxide iodide nickel sulphate nitrate oxalate oxide R phosphate potassium cyanide " nitrite " oxalate " sodium " oxalate " sulphate silicate sodium cyanide " nitrite " oxalate sulphate sulphide tartrate thioxyanate Cobaltic salts:— Lutecocobalt chloride Purpureocobalt " chloride " nitrate Roseocobalt chloride Carbonatotetram- minocobalt nitrate Trinitratotriam- minocobalt Potassium tetra- tro-diammin-cobal- tiao Cocathylin Cocaine citrate hydrochlorate nitrate nitrite salicylate sulphate Codeine citrate hydrobromate hydrochlorate methyl bromide phosphate salicylate sulphate Codeine pseudo- " hydrochlorate Colchicine Colchicine salicylate tannate Colchisal Collidine Colocynthein Colocynthin Conchinin Conhydrine Conhydrine pseudo- Conine hydrobromate hydrochlorate Copper— acetate R aceto-acetic ether albuminate	Copper— aluminat ammon. acetate " chloride " chromate " citrate " cyanide " nitrate " sulphate arsenate arsenite R benzoate bichromate borate bromide butyrate calcium acetate carbonate chlorate chloride chromate citrate cyanide ethyl xanthogenate ferrocyanide fluoride formate glycollate iodide lactate mercury iodide molybdate nitroprusside nitrate nitrite oleate R oxalate oxide oxychloride palmitate R phenolsulphonate phosphate phosphide potass. chlorate " chloride " cyanide " ferrocyanide " sulphate " tartrate pyrophosphate salicylate selenate silicate silico-fluoride sodium chloride stearate R subacetate R sulphate R sulphide R sulphite sulphocarbonate sulphocyanide tannate tartrate tungstate thioyanate xanthogenate Cordal Cordol Cordyl Coryfin Coryl Cosaprine Cotarnine hydrochlorate phthalate Coumarin Coxpyrin sulphate D Cream of tartar Creosol Creosol Creosotal Creosote carbonate Cresalol Cresogol Cresol— ortho- meta- para- Cresol— ethyl-ether methyl-ether phthalin Cresosquin Cresosteril Cresyl— acetate D butyrate cinnamate oleate phosphate D propionate stearate valerate Croton chloralhydrate Crurin	Cryogenin Cryptopin hydrochlorate Crystallose Crystazol Cubebin Cumene Cumenol pseudo- Cumidene D Cumidene, pseudo D Cuminol Cumol Cupferron Cupratin Cupreine butyrate hydrochloride sulphate Cupri-aseptol Cupricin Cuproctrol Cuprol Cusylol Cutol Cyan— acetamide -acetyl-urea -benzal chloride -benzyl chloride -pinacolone Cyanine D hydroiodate Cyanogen iodide Cycloform Cyclohexane Cyclohexanol Cyclohexanon Cymene Cymol Cystamin Cystogen Cystopurin Cytisin hydrochlorate nitrate Dambose R Daphnetin hydrochlorate sulphate Deba Decane Decroline Delphinin Dermatol Dermogen Dermol Desoxy-benzoin Diabetin Diacetone Diacetonamine oxalate Diacetyl— dioxime monoxime morphine hydro- chloride phenol-phthalein tannin Dial Dialacetin Diamido anthra- quinone D Diamidobenzol D Diamido diphenyl- amine, para- Diamido diphenyl- amine, sulphate D Diamidophenol D hydrochlorate D sulphate D Diamidostilbene D Diamidotoluol D Diamorphine, hydro- chloride Diamylamine hydrochlorate Dianisidine D Diaphtherin Diaphthol Diapirin Diazo— -amidobenzene -amidotoluene Dibenzal-benzidine Dibenzoyl diamino anthraquinone Dibenzyl ether ketone Dibenzylamine hydrochlorate Dibenzylidene-acetone Dibrom— -anthracene -benzene -hydrin -thymoquinone	Dibromxylene Dibutylamine Dichlor— -acetanilide -acetone -acetyl-chloride -aniline D -anthraquinone D -benzene D -benzolsulphonamide -brom-methane -cresol -ether -ethylene -hydrin -thymoquinone -vinylethylether Dichloramine T. Dicyandiamide Dicyandiamidinsul- phate Didial Didymium— carbonate chloride nitrate oxide sulphate sulphide Diethyl— acetal amidoantipyrine amido-phenol, meta- D amidopyrine aniline D aniline hydro- chloride D carbanilide diphenyl-urea ethyl malonate ketone ketone cyanhydrin malonylurea oxamide -phenylene-diamine hydrochloride succinate sulphate sulphide sulphonediethyl- methane sulphonemethyl- ethylmethane tartrate urea " chloride Diethylamine hydriodide hydrobromide hydrochloride sulphate Diethylene-diamine Diethylidene Difluor-diphenyl Digifoxine Di-iodaniline Di-iodobenzene Di-iodo-caffeine- hydrobromide Di-iodo-caffeine- hydrochloride Di-iodoform Di-iodothymol Di-isobutylamine hydrobromide hydrochloride Dimethyl— -acetal -amidoantipyrine -amidoazobenzol -amidobenzaldehyde para- D -amidobenzol D -amidophenol, meta- D -amidopyrine -aniline D -aniline hydro- chloride D -carbanilide -carbinochloral -cyclo hexandion " hexane diamidomethylacri- dine-silver nitrate -diphenylurea -ethylcarbinol -glyoxime -hydroquinone -hydroresorcinol -naphthylamine D -oximide	Dimethyl— -oxychinizin paraphenylene- diamine D -paraphenylene- diamine hydro- chlorate D -paraphenylene- diamine sulphate D -phenyl-benzyl-am- monium chloride D -pinacene -piperazine -pyridine -pyrone " hydro-chloride -sulphate -thiourea -toluidine D -urea Dimethylamine hydrochloride hydriodide Dinitro— -aniline D -anisol -anthraquinone D -benzol D -butyl-metacresol- acetal methyl-ether -chlorbenzol D -cresol D -naphthalene D -naphthol -phenol D -resorcin -sodio-methyl- diamido-diphenyl- methane -stilbene -toluol D -xylene D Dioform Diogen D Diogenol Dionine Di-oxy-anthraquinone D Dioxy— -benzaldehyde D -naphthalene D Diphenyl -carbazide -hydrazine hydro- chlorate -ketone -methane -oxide -tartrate -thiourea D -urea -urea chloride -urethane Diphenylamine D hydrochlorate D sulphate D Diphenylene— -ketone-oxide -methane Diplosal Dipropyl-ketone Dipropylamine hydroiodide hydrobromide hydrochloride Diresorcin Disalol Disodio-luargol Dispermin Ditain sulphate Dithan Dithion Dithymol di-iodide Ditolyl-thiourea Diuretin Dixanthylene Dixylol Dormigene Dormiol Duboisin hydrobromate hydrochlorate sulphate Dulcine Dulcit R Duotal Durol Dymal Egonine hydrochlorate anhydro-	Edinol hydroquinone Ehrlich-Hata 606 and 614 Eikonogen D Ektogen Elarson Elayl chloride Elbon Emetine bismuth iodide hydrobromate hydrochlorate Emodin Enesol Eosote Ephedrin— hydrochlorate hydrochlorate, pseudo- Epicarine Epichlorhydrin Epine Epinephrine Epiosine Erbium compounds * Ergamine Ergotinine Ergotoxine Ergotoxine-phosphate Erioin Ervasin Erythrin R Erythrol tetranitrate Eseridine tartrate Eserine hydrobromate hydrochlorate pseudo- salicylate sulphate sulphite Estoral Ethacal Ethal Ether (sulphuric) Ethoxy— -ana-monobenzoyl- amidoquinoline caffeine phenylsuccinimide phenylurethane Ethyl acetanilide acetate aceto-acetate " pyrotartrate " salicylate " succinate acetone-dicarboxate aconitate allyl aceto-acetate " malonate amido-benzoate " crotonate aniline D " hydro- chloride D anisate anthranilate azoxy-benzoate " cinnamate benzoate benzol benzolsulphonate benzoyl-acetate " aceto-acetate " succinate benzyl aceto-acetate " aniline " malonate borate brom-acetate " butyrate " isobutyrate " isovalerate " propionate " succinate bromide butenyl-tricarboxate butyl aceto-acetate butyrate caprinat caproate caprylate carbamate carbanilate carbonate carbamylamine chlor-acetate " aceto-acetate " butyrate " carbonate
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\* See List G.



Ethyl— chlor formate " -fumarate " -malonate " -oxal-acetate " -propionate β— chloride cinamate citrate collidin-dicarbonate crotonate cyan-acetate cyanide di-iodsalicylate diaceto-succinate diacetyl-tartrate diallylmalonate dibenzoyl succinate dibrompropionate dichlor-acetate diethyl aceto-acetate " malonate " oxamate " oxy-acetate dihydro-collodin- dicarbonate dimethyl aceto- acetate " malonate " oxamate " pyrone dicarbonate diphenyl aceto- acetate " itaconate dipropyl malonate disulphide ethoxy-acetate " -methylene " malonate ethyl aceto-acetate " carbamate " glycollate " malonate " methyl-aceto- acetate " propyl- " malonate " sulphonate " xanthogenate formate fumarate gallate glutarate glycollate guaiacol heptate heptyl aceto-acetate heptylate hippurate hydro-cinnamate hydro-eupreine iodide iodpropionate isoamyl aceto- acetate isobutyl aceto- acetate " ketone isobutyrate isonitroso-aceto- acetate isophthalate isopropyl aceto- acetate " ketone " malonate isosuccinate isothiocyanate lactate laevulinate laurate malate malonate mandelate mesoxalate methyl carbamate " ethyl- " malonate " malonate " propyl- " malonate methylene- dimalonate morphine diallyl barbiturate " hydro- chlorate myristate naphthyl-carba- minate narcaine hydro- chlorate nitrate	Ethyl— nitrite nitrobenzoate nitrocinnamate nitroso-ethyl- carbaminate " -methyl- carbaminate nonylate octylate onanthate oleate oxal-acetate oxalate oxamate oxanilate oxybenzoate oxybutyrate oxyisobutyrate pelargonate phenoxy-acetate phenyl-acetate " -ketone " -malonate " -paraconate phthalate phthalimido-acetate propionate propyl aceto-acetate " aniline " ketone " malonate pyruvate racemate salicylate sebaccate silicate silicon chloroform sodium acetone- oxalate succinate succinyl-succinate sulphate sulphide sulphite sulphocyanide sulphonate sulphydrate tartrate terephthalate thiocarbamide thiocyanate toluene-sulphonate tribrom-acetate " lactate trichlor-acetate " lactate urea urethane uvate valerate xanthogenate Ethylal- Ethylamine hydrochloride hydrobromide iodide sulphate Ethylamine— di- hydrochloride Ethylamine— tri- hydrochloride Ethylene— acetate bromacetate bromide chlorhydrin chloride chlorobromide cyanide diacetate glycol glycol chlorhydrin Ethylenediamine— hydrate hydrochloride sulphate Ethylidene— chloride urea urethane Ethylol Eubornyl o-Eucaine β— Eucaine— hydrochloride lactate Eucalyptene hydrochlorate Eucalyptol Eucalyptol Euclidean Euclidean	Eucol Eucupin Eudermol Eudoxine Eugalloi Eugenolform Eugenol Eukodal Eumydrine Euonymit Euphorine Euporphine Eupyrine Euquinine Euresol Eurobin Europhen Euscopol Eustenine Exalgine D Exodin Faexin Fenchone Ferratin Ferritogen Ferrinol Ferripyrene Ferrophytin Ferropyrin Fibrolysin Fluoramin Fluorbenzene Fluorene (Di-phenyl- ene methane) Fluorescein D Fluorescein-sodium D Fluorescein D Fluorphenetol Forgenin Formaldehyde sodium bisulphite Formaldehyde Formalin Formamide Formamine Forman Formanilide Formicin Formidin Formin Formyl- salicylate Formol Formopyrin Formurol Formyl- -bornylamine -diphenylamine -piperidine -toluidide -tolylene diamine Fortoin Fumaric— amide chloride Furfurin Furfural Galactose R Gallal Gallucin Gallinilide Gallinol Gallochromol Gallone Galyl Gastrosan Gaultheriasalol Geselminine hydrobromate hydrochlorate nitrate salicylate sulphate tartrate Gentisin Geosote Geraniol Geranyl- acetate butyrate formate valerianate Germanium— oxide potassium fluoride Glonoin Glucin Glucosamine hydro- chloride Gluside Glusidum Glutarimide Glycerin Glycerol— ethyl ether sodium	Glyceryl tri-acetate Glycin anhydride Glycobrom Glycocoll anhydride hydrochlorate Glycocyanine Glycol Glycosal Glycosamine hydro- chlorate Glyoxal sodium bisul- phite Glyoxalin Gold— bromide cadmium chloride calcium chloride chloride cyanide iodide oxide potassium bromide " chloride " cyanide " iodide sodium bromide " chloride " cyanide stannate sulphide Gonoral Guethol Guaiacampol Guaiacetin Guaiachinol Guaiacol benzoate cacodylate carbonate cinnamate ethyl ethylenate phosphate salicylate salicylate salol valerianate Guaiacophosphal Guaiamar Guaiaperol Guaiquin Guaiasanol Guanidin— carbonate hydrochlorate nitrate sulphate sulphocyanide Guanin hydrobromide hydrochloride Guatannin Gynoval Haematein Haematoxylin Haemoglobin Halazone Hectine Hediorite Hedonal Helcosol Helicin Helicon Helicosal Heliotropine Helmitol Hemisine Hemypnone Heptyl- acetate diethyl carbinol dimethyl " diphenyl " heptate " iodide Heptylamine Herapathit Hermophenyl Heroin Heterosol Hetoform Hetoform Hetoform Hetoform Hexachlor— benzene -ethane Hexadecylene Hexa-ethyl-benzene Hexal Hexamethyl-benzene Hexamethyltetra- mine bromethylate methyleneacetate	Hexamethyl salicylate salicylsulphonate Hexamine (see Hexa- methylene-tetramine) Hexanatin Hexanitrin Hexanitrodiphenyl- amine ammonium (Aurantia) D Hexine (see Hexa- methylene-tetra- mine) Hexyl- acetate butyrate iodide Hexylamine, iso- Hexylene Histamine Holocaine Homatropine hydrobromate hydrochlorate methylbromide salicylate sulphate Homo-arecolin hydro- bromide Homo-eresol Homorenon Hordenine sulphate Hydracetin Hydraldite Hydramin Hydrargol Hydrargotin Hydrargyrol Hydrastine bitartrate hydrochlorate sulphate Hydrastinine hydrochlorate Hydrastinine, oxy- Hydrazine— acetate hydrate hydrochlorate nitrate oxalate phosphate phosphite sulphate Hydrazin— acetate hydrate hydrochlorate nitrate oxalate phosphate phosphite sulphate Hydrazobenzol D Hydrazotoluol D Hydroberberine Hydrocotarnine Hydrogen peroxide Hydrohydrastinine hydrobromide hydrochloride Hydroquin Hydroquinidine hydrochloride sulphate Hydroquinone sulphate Hydroquinone dimethylether Hydrosulphite Hydroxylamine hydrochlorate sulphate Hydroxyphenylethyl- amine Hyoscine hydrobromate hydrochlorate hydroiodate sulphate Hyoscyamine hydrobromate hydrochlorate hydroiodate methylbromide salicylate sulphate Hypnal Hypnoacetin Hypnogen Hypnone Hypnoquebrachin hydrochlorate Iatrol Ibite Ichthargan Ichthermol Ichthoform Ichthosulphol-forma- lin Ichthosulphol - pro- teinate Ichthyol— ammonium	Ichthyol— lithium sodium zinc Ichthyolidin Imidazol β-Imidazolyethyl- amine Imidoacetoneitrile Imogen sulphite Indigo (synthetic) D Indigocarmine D Indigotin D Indium— chloride oxide sulphate Indoform Indol Inosite R Insipin Intrammine Inulin R Iod— -acetanilide -amyl -aniline " hydrochlo- rate " sulphate -anisol -ethyl- -methyl -rubicum Iodal Iodic anhydride Iodine R chloride monobromide pentoxide tribromide trichloride Iodival Iodo- -benzene -caffeine -chloroxyquinoline -nitrobenzene -theobromine -toluene -xylene Iodocroton Iodofan Iodoform Iodoformin Iodogallicine Iodoglobin Iodol Iodolinum Iodophene Iodophenin Iodopyrine Iodoval Iodozol Iodylin Iohydrin Ionone Iothion Iridium— ammonium sesqui- bromide bromide chloride iodide potassium chloride potassium cyanide sesquioxide sodium chloride sulphate Iron (standards for chemical analy- sis) R Iron— acetate R aceto-formate albuminate ammonium boro- citrate " chloride " citrate " oxalate " sulphate " tartrate arsenate arsenite benzoate bismuth citrate bromide cacodylate carbonate R chloride R chromate
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Iron— cinchonidine citrate citrate cyanide fluoride formate glycerophosphate hippurate hypophosphite hydroxide <i>R</i> iodate iodide lactate lactocitrate lactophosphate magnesium citrate malate manganese carbo- nate " citrate " iodide " lactate " pyrophos- phate " sulphate " tartrate methyl arsenate nitrate <i>R</i> nucleinate oleate <i>R</i> oxalate oxide <i>R</i> oxychloride <i>R</i> perchloride <i>R</i> phenol sulphonate phosphate phosphate with am- monium citrate phosphate with soda citrate phosphide <i>R</i> phospho-citrate " lactate potassium citrate " cyanide " oxalate " pyrophos- phate " sulphate " tartrate pyrophosphate quinine ( <i>see</i> Quinine, ferro-) salicylate sesquibromide sesquichloride <i>R</i> silicate <i>R</i> sodium benzoate " citrate " oxalate " pyrophos- phate " tartrate stearate <i>R</i> strychnine citrate " sulphate subsulphate <i>R</i> succinate sulphate <i>R</i> sulphide <i>R</i> sulpho-cyanide " phenylate tannate tartrate valerianate vanadate Irene Isatin Iso-amyl ( <i>see</i> Amyl) Isobornyl ( <i>see</i> Born- yl) Isobutyl ( <i>see</i> Butyl) Isobutylamine hydrobromide hydrochloride Isobutylene ( <i>see</i> Bu- tylene) Isobutyr-amide -anilide -phenetidine Isobutryl ( <i>see</i> Bu- tyryl) Isodulcit <i>R</i> Isoeugenol acetate methylether Isoform Isositro-camphor Iso-octyl hydrocu- preine Isophthalaldehyde Isophthalyl chloride	Isopral Isopropyl ( <i>see</i> Pro- pyl) Isopropylamine ( <i>see</i> Propylamine) Isosafrol Istizin <i>D</i> Itrol Kairin Kairolin Kakodyljaccol Kalmopyrin Kelene Kelenemethyl Kharsivan Kineuriue Kresalol Kresogol Kresosteril Kryofin Kryogenin Kupferron Kynurin Lactamide Lactanin Lactic nitrile Lactide Lactol Lactophenine Lactose <i>R</i> Lactyl-tropein ni- trate Lævulose <i>R</i> Lanthanum com- pounds* Largin Laudanin Laudanosin Lauric chloride Laxans Laxatol Laxen Laxoin Lead (silver-free for assays) <i>R</i> Lead— acetate <i>R</i> antimoniate arsenate <i>R</i> arsenite <i>R</i> benzoate bichromate <i>R</i> borate bromate bromide butyrate carbonate <i>R</i> chloride <i>R</i> chromate <i>R</i> citrate cyanate cyanide ethylsulphate ferriocyanide fluoride formate hydroxide <i>R</i> hyposulphate hyposulphite iodate iodide lactate malate molybdate naphthalene- sulphonate nitrate <i>R</i> nitrite oxalate oxychloride <i>R</i> oxide <i>R</i> peroxide phosphate phosphite potassium iodide propionate pyrophosphate salicylate sesquioxide <i>R</i> silicate silicofluoride stearate <i>R</i> subacetate <i>R</i> sulphate <i>R</i> sulphide <i>R</i> sulphocyanide tannate tartrate tungstate	Lead— valerate, iso- vanadate Lenicet Lenigallol Lenirobin Lentin <i>D</i> Lepidin Leucine hydrochlorate Leucolin <i>D</i> Leucylglycin Limonene Linalol Linalyl— acetate butyrate cinnamate formate propionate valerate Lipiodin Lithium— acetate acetyl-salicylate arsenate benzoate benzo-salicylate biborate bichromate bimolybdate bitartrate bromo-citrate bromide cacodylate carbonate chlorate chloride chromate citrate diuretin fluoride formate glycerophosphate guaiacate hippurate hydroxide iodate iodide lactate metaborate molybdate nitrate oxalate oxide oxybenzoate phenylate phosphate potassium tartrate rubidium platinum cyanide salicylate silico-fluoride sodium salicylate succinate sulphate sulphocyanide sulpho-ichthyolate sulpho-phenylate tartrate urate valerianate vanadate, meta- Lodal Lophophorine hydro- chlorate Lorenite Loretin -bismuth Losophan Luargol Lucidol Luminal Lupetazine Lupinidin sulphate Lupinin Luti'in Lyceol Lycin Lygosin Lysogin-quinine -sodium Lysidine Lysoclor <i>D</i> Magnesium— acetate acetyl salicylate ammonium arsenate " chloride " phosphate " sulphate arsenate benzoate	Magnesium— bichromate biphosphate bisulphate borate boro-citrate bromate bromide butyrate cacodylate carbonate chlorate chloride <i>R</i> chromate citrate copaivate ethyl-sulphate ferriocyanide ferro-lactate fluoride formate glycerinate glycerophosphate hypophosphite hydroxide hypophosphite hyposulphite iodide lactate lactophosphate malate methylsulphate molybdate nitrate nitride oleate <i>R</i> oxalate oxide <i>R</i> oxychloride <i>R</i> palmitate <i>R</i> perborate perhydrol permanganate peroxide phospho-lactate phosphate phosphite phthalate potassium ammo- nium phosphate potassium chloride <i>R</i> potassium phos- phate potassium sulphate <i>R</i> propionate pyrophosphate ricinate salicylate silicate silico-fluoride sodium sulphate succinate sulphate <i>R</i> sulphide sulphite sulpho-cyanide " phenylate tartrate tungstate urate valerianate Malakin Malarine Maleic anhydride Malonal Malonamide Malonitrile Malonyl chloride Malourea Maltose <i>R</i> Manganese— acetate albuminate ammonium phos- phate ammonium sulphate arsenate arsenite benzoate borate <i>R</i> bromide butyrate cacodylate carbonate chloride <i>R</i> chromate citrate ferriocyanide ferro-lactate fluoride formate	Manganese— glycerinate glycerophosphate hypophosphite hydroxide iodide lactate lactophosphate metaphosphate nitrate oleate <i>R</i> oxalate oxide <i>R</i> peroxide <i>R</i> phosphate phospho-lactate potassium sulphate pyrophosphate salicylate silicate succinate sulphate <i>R</i> sulphide sulphite tartrate valerianate Mannite <i>R</i> Mannitol <i>R</i> hexanitrate Mannose <i>R</i> Maretin Maricel Markasol Meconin Medinal Melampyrit <i>R</i> Mellitose <i>R</i> Melrubin Melnurin Menthhol Menthyl— acetate benzoate cinnamate salicylate valerate Mercuriol Mercury— acetate amido-propionate ammonium-chloride arsenate arsenite barium bromide " iodide benzoate bibromide bichloride bichromate biniodide bisulphate bromide cadmium cyanide " iodide carbonate chloride chloride chromate citrate copper iodide cyanide di-ethyl di-methyl di-phenyl ethyl-chloride ethyl-fluoride gallate iodate iodide lactate methyl chloride nitrate oxide oxycyanide perchlorate phenolate phosphate potassium cyanide " iodide " tartrate salicylate santoninate silver iodide stearate <i>R</i> succinate succinimide sulphate sulphide <i>R</i> sulphocyanide tannate tartrate thallium iodide thiocyanate valerianate	Mercury— zinc acetate " cyanide Merjodin Merochinol Mescaline sulphate Mesityl oxide Mesotan Metabenzamido semi- carbazine Metadiazobenzol <i>D</i> Metadiazobenzol hydrochloride Metadiazobenzol <i>D</i> Metaldelhyde Metanitroparatolui- dine <i>D</i> Metaoxydiphenyl- amine Metasol Methacetin Methoxin Methoxy— acetophenone, para- benzoylacetone, para- cafein methylsalicylate quinoline salicylaldehyde Methyl— acetanilide <i>D</i> acetate aceto-acetate " -salicylate -acetophenone -acetyl-acetone amidobenzoate amidophenol amidoxybenzoate -aniline <i>D</i> " hydrochlo- ride <i>D</i> " oxalate anisate anthranilate atropine bromide -benzal-acetophe- none benzene-sulphonate benzoate benzoyl-acetate " salicylate -benzyl-aniline <i>D</i> bichloride bromate brom-acetate " -benzoate, para- " -isobutyrate " -propionate bromide -butyl-ketone butyrate " iso- caprinat capronate caprylate carbaminate carbonate -carbylamine -carvacrol -chlor-acetate " -benzoate, para- " -carbonate -chloride chloroform cinnammate -cinnamyl-aldehyde citrate cyan-acetate cyanide -cyclohexane -cyclohexanol -cyclohexanone diphenylamine <i>D</i> di-sodium arsenate -ether -ethyl - diphenyl- urea -ethylketone " cyan- hydrin -ethyl-ketoxime " -malonate " -propyl-phenyl ammonium iodide -eugenol formate gallate glycerate
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\* See List G.

D D



Methyl— glyoxalidine guanidine nitrate heptenol heptenone heptylic hexyl-ketone indol iodide isobutyl-ketone isoeugenol isopropyl-ketone- cyanhydrin isosuccinate isothiocyanate lactate laurate malate malonate mesityl-oxide-oxa- late methyl-aceto-ace- tate " anthranilate " glycollate " malonate methylene-dimalo- nate myristate naphthalene nitrate nitrobenzoate nonylate -nonylketone -n-octylketone -oenanthal oxal-acetate oxalate -oxamide -paracresol paramidocresol sul- phate paraphenylene- diamine hydro- chloride para-tolylketone phenyl-acetate -phenylhydrazine -phenylhydrazine sulphate phenyl-propionate phthalate propionate -propyl ethylene -propylketone -propyl-ketoxime racemate -red D -rhodin salicylate sebacate silicate sodium aceto-ace- tate succinate sulphate sulph-hydrate sulphide sulphocyanide -sulphonal tartrate -thiocarbimide thiocyanate trichloracetate -urea " nitrate -urethane uvate valerianate violet D Methylal Methylamine chloride hydrobromide sulphate di- dichloride tri- trichloride amino aceto- nitrile Methylene, blue D Methylene— bromide chloride ditannin iodide sulphate Metol Metol-hydroquinone Metoquinone Metramine	Michler's ketone D Microcidin D Molybdenum— oxide sulphide Monacetin Monoamidodiphenyl- amine Monoamidodiphenyl- amine hydrochlo- rate Monohrom— -acetanilide benzol hydroquinone phenol Monochlor— -acetone -benzol D -ethylenchloride -hydrin -hydroquinone -phenol D Monomethylaniline D Monomethyl para- mido-phenolsul- phate Mononitronaphtha- lene D Monotal Morphine (morphia) acetate citrate hydrobromate hydrochlorate hydroiodate lactate meconate oleate phthalate sulphate tartrate valerianate Morphosan Mydrasine Mydrol Naphthalene R a-Naphthalene dibro- mide β-Naphthalene dibro- mide a-Naphthalene di- chloride a-Naphthalene mono- bromide a-Naphthalene mono- chloride β-Naphthalene sul- pho-chloride Naphthalene tetra- chloride Naphthalic anhy- dride Naphthalol Naphthoaristol a-Naphthonitrile β-Naphthonitrile Naphthopyrine a-Naphtho-quinoline β-Naphtho-quinoline a-Naphtho-quinone D β-Naphtho-quinone D a-Naphthol D β-Naphthol D β-Naphthol amido- benzoate, para- Naphthol amido- benzoate, hydro- chloride β-Naphthol benzoate Naphthol bromide β-Naphthol campho- rate a-Naphthol - ethyl- ether β-Naphthol - ethyl- ether a-Naphthol hydra- zine β-Naphthol hydra- zine a-Naphthol - methyl- ether β-Naphthol - methyl- ether β-Naphthol nitro- benzoate a-Naphthol-phthalein a-Naphthol salicylate β-Naphthol salicylate a-Naphthol-salol	β-Naphthol-salol β-Naphthol-sodium D β-Naphthol sulphori- cinate a-Naphthol-urethane a-Naphthylamine D β-Naphthylamine D a-Naphthylamine hy- drobromide β-Naphthylamine hy- drobromide a-Naphthylamine hy- drochloride D β-Naphthylamine hy- drochloride D a-Naphthylamine sul- phate D Naphthylene— -diamine D -hydrochloride D sulphate D a-Naphthylhydrazine hydrochlorate β-Naphthylhydrazine hydrochlorate Narcein hydrochlorate meconate sodium " salicylate sulphate Narcotine hydrochlorate Nargol Neodymium com- pounds* Neoform Neohexal Neokharsivan Neoleptol Neopine Neopyrin Neo-salvarsan Neosiodine Neradol Nerolin Neuraltein Neurin chloride Neurodine Neuronal Nickel— acetate ammon. chlor. citrate " ferro- " cyanide " nitrate " sulphate " tartrate " thio- cyanate arsenate benzoate borate bromide carbonate chlorate chloride cobalt sulphate cyanide ferrocyanide formate hydroxide iodide nitrate oleate R oxalate oxide phosphate potassium chro- mate sodium cyanide " thiocyanate sulphate sulphide tartrate thallium sulphate Nicotine R hydrochloride salicylate tartrate Niohim— chloride pentoxide potassium fluoride Nirvanine Nitriline D Nitransol, ortho- D " para- D	Nitroacetone Nitro— -acetanilide, ortho- -acetanilide, para- D -acetylamine an- thraquinone -amido anthraquin- one -amidostilbene -anthraquinone D -benzaldehyde D -benzene sulpho- chloride -benzol D -benzonitrile -benzoyl chloride -benzyl bromide -benzyl chloride, ortho D -benzyl chloride, meta- -benzyl chloride, para- D -benzyl cyanide -cresol D -ethane -guanidine -methane -naphthalene D -pentane -phenetol, ortho- D " para- D phenol, ortho- " meta- " para- D -phenyl cinnamic nitrile -phenyl hydrazine -phenyl hydrazine hydrochloride -propane -resorcinol toluene D " sulphochloride -toluidine D -toluol D -urea -xylene D Nitron sulphate Nitroso— aniline -antipyrine -beta-naphthol D -diethyl-amidophen- ol -diethyl-amidophe- nol hydrochloride -diethyl-aniline hy- drochloride -diethylene -disobutylin -dimethyl-amido- phenol -dimethyl-amido- phenol hydro- chloride dimethylaniline D dimethylaniline hy- drochloride D -dimethylene -diphenylamine -diphenylamine hy- drochloride, para- -dipropylin -ethylaniline -ethyl-urethane -methyl-urethane -monomethyl-an- iline -oreinol phenol, para- D -phenyl-hydroxyl- amine, ammon- ium -phenyl-hydroxyl- amine, copper niteridene Nizin Nosophen Novargan Novarsenobenzol Novaspirin Novatophan Noviform Novocaine Novocel Nuclein Nuclein sodium Octyl— acetate butyrate	Octyl— formate heptylate hydrocupreine iodide Oenanthaldoxime Oenanthal ether Oenanthal cyanhydrin Oleic— amide chloride Oleo-cresote Oleo-guaiacol Omal Optochin Orceine Orcinol D methylether Ordoval Orexin Orphol Orsudan Orthin Orthoamidophenol D Orthoform (new) " hydrochlorate Ortol Osmium— ammonium chloride chloride oxide potassium chloride sodium chloride Oxalyl chloride Oxamethane Oxamide Oxanilide Oxyacanthin sulphate Oxy-azo benzene, para- Oxybenzaldehyde D Oxydimethylquini- cine Oxyhydrastinine Oxyhydroquinone Oxyiodomethylanilide Oxylepidine Oxy-osmium-diamine chloride Oxyphenylglycocoll Oxyquinaseptol Oxyquinoline ethylhydride sulphate Oxyspartein hydrochloride sulphate Palladium— ammonium chloride chloride iodide nitrate potassium chloride sodium chloride Palmitic acid Palmitinamide Papaverine hydrochlorate Para-acetanilide Para-acetphenetidine Parabismut Para-chloralose Paracodine Paracresol methyl- ether Paradiamidobenzol D Paraform Paraformaldehyde Para-isobutyl-alde- hyde Parakresol Paraldehyde Paramidodimethyl- aniline D Paramidophenol D hydrochloride D Paratophan Parodyn Pelargon-methyl- ether Pelletierine hydrochlorate nitrate sulphate tannate pseudo- " hydrochlorate " sulphate Pellido	Pelletin hydrochlo- rate Pentabromphenol Pentachlorethane Pentacyctolyke- tone Pental Pentamethylenedia- mine hydrochlo- rate Pentylene glycol Perborax Perborol Perchlorbenzene Pereirine hydrochlorate Perhydrol Permidan Peronin Peruscabin Phellandrene Phenacetin Phenacetin Phenacolin Phenalgine Phenamine Phenanthraquinone D Phenazone caffeine citrate salicylate Phenetidine— ortho- D para- D amidacetyl hydro- chlorate citrate hydrochloride D lactate salicylic aldehyde thiourea Phenetol D carbamide Phenine Phenocoll hydrochlorate salicylate Phenol (synthetic) D Phenol R benzoate chloride, mono- D iodide monobromide, ortho- sulphone-phthalein sulpho-ricinate sodium sulphorici- nate Phenolax Phenolphthalein Phenolphthalin Phenosal Phenosol Phenosuccine Phenoval Phenoxycaine Phenyl— -acetaldehyde -acetamide -acetanilide -acetate -acetic anhydride -acetyl chloride -alanine -azo-β-naphthyl- amine benzoate -bromethylene -carbamide carbonate D -chlorpyrazol cinnamate-nitrile -dihydroquinazoline " tannate -dimethyl-nitroso- pyrazolone -dimethyl-pyrazo- lone -diphenyl carbami- date -ether -ethylacetate -ethylamine -ethylether -ethyl ketone -ethyl propionate -ethylurea chloride -glucosazone glycin D " sodium D -glycocoll " ethylether -glyoxime -hydrazine D
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\* See List G.



Phenyl— hydrazine acetate " hydro- chlorate <i>D</i> " oxalate " sulphate <i>D</i> hydroxylamine iodide isocyanate isothiocyanate methyl acetate " butyrate " -chlorpyr- azol " ether " -ketone " -pyrazolone " -urea chlo- ride -mustard oil -naphthylamine <i>D</i> -β-naphthylamine <i>D</i> -nitro-cinnamate nitrile -phthalate -pyrazolone salicylate -semicarbazide stearate sulph-hydrate sulphide sulphochloride -thiocarbamide -thiourea -trimethyl-ammon- ium-chloride -urea -urethane Phenylenediamine <i>D</i> hydrochloride <i>D</i> sulphate <i>D</i> Phenylon Phesin Phloridzin Phloroglucine <i>D</i> Phlorol Phorone Phosgene Phosote Phosphatol Phosphotal Phosphote Phosphonium iodide Phosphorus— iodide nitride oxychloride pentabromide pentachloride pentasulphide pentoxide sesquisulphide sulphochloride tribromide trichloride trisulphide Phthalaldehyde Phthalamide Phthalidamide Phthalic anhydride <i>D</i> Phthalide Phthalimide <i>D</i> Phthalimide-potas- sium Phthalyl chloride Physostigmine and salts (see Eser- ine) Phytin Picoline Picrostol Pioratol Piorol Picrotoxin Picryl chloride Pilocarpidine nitrate Pilocarpine borate hydrobromate hydrochlorate nitrate phenylate salicylate sulphate tannate valerianate Pinacoline Pinacone hydrate Pinakol Pinene hydrochloride	Pinene nitroso- chloride Piperazine quinate Piperidine bitartrate hydrochlorate Piperine Piperonal Piral Platinum— ammon. chloride " cyanide barium chloride " cyanide calcium chloride " cyanide cerium cyanide chloride cyanide iodide iron cyanide lead cyanide lithium chloride " cyanide magnesium cyanide nitrate oxide potassium-bromide " chloride " chloride " cyanide " iodide " iodide " lithium " cyanide " sesqui- chloride " sulpho- cyanide " sodium cyanide rubidium cyanide sodium chloride " cyanide strontium cyanide sulphate sulphide thorium cyanide yttrium cyanide Platamine sulphate Pneumosan Porphyrin Potassium— acetate aceto-tungstate aluminate ammon. chromate " phosphate " tartrate amylsulphate antimonate antimony tartrate arsenate arsenite benzene sulphonate benzoate benzoldisulphonate bichromate bicarbonate bichromate <i>R</i> biiodate bimalate binoxalate biphosphate bisaccharate bisulphate bisulphite bitartrate borate borofluoride borotartrate bromate bromide bromo-arsenite butyrate " iso- cacodylate camphorate capronate carbonate <i>R</i> caustic <i>R</i> chloracetate chlorate chloride <i>R</i> chlorochromate chloroplatinate chloroplatinite chromate chromiccyanide cinnamate cobaltcyanide cobaltinitrite	Potassium— cyanate cyanide <i>R</i> dichlor-acetate dichromate <i>R</i> dioxy-stearate ethylsulphate ethyl-sulphonate " xanthogenate ferrie-oxalate ferricyanide ferrocyanide <i>R</i> fluoride fluoresceinate formate glycerinate glycerophosphate guaiacol sulpho- nate gynocardate hippurate hydrate <i>R</i> hydrocinnamate hydroxide <i>R</i> hydrosulphide hypophosphite hyposulphate hyposulphite indigo-monosul- phate iodate iodide isobutyl-sulphate isobutyrate lactate malate malonate metabisulphite metaborate metaphosphate methylsulphate methyl-sulphonate molybdate myronate -α-naphthalene sul- phonate -β-naphthalene sul- phonate nitranilate nitrate <i>R</i> nitrite nitrobenzenesul- phonate nitro-prussiate nitroprusside oleate <i>R</i> osmiate oxalate oxybenzoate palmitate <i>R</i> paratungstate percarbonate perchlorate periodate permanganate perruthenate persulphate phenolsulphonate phenyl-sulphate phosphate phosphite phospho-lactate phthalate phthalimide picolinate picraminate piperinate platinocyanide propionate propylsulphate pyrophosphate pyrosulphate pyrosulphite ruthenate salicylate selenate selenite silicate <i>R</i> silico-fluoride silico-tungstate sodium-carbonate <i>R</i> " -chloride <i>R</i> " -chromate " -sulphate <i>R</i> " -tartrate stannate stanno-sulphate sucinate sulphanilate sulphate <i>R</i> sulphide sulphite sulpho-benzoate " -carbonate	Potassium— sulpho-cyanide sulphydrate tannate tartrate tellurate tellurite tetraoxalate thiocyanate thiosulphate trichlor-acetate tungstate urate valerianate vanadate xanthogenate Praseodymium ni- trate Proflavine Propion Propionamide Propionitrile Propionyl chloride Propiothionone Propoesin Propional Proposote Propyl— aldehyde acetate aldehyde-cyanhy- drin aldehyde phenyl- hydrazone benzene benzoate bromide, normal- " iso- brom-propionate butyrate carbamate chlor-carbonate chloride cyan-acetate formate hydrocupreine iodide, normal. " iso- nitrite propionate sulph-hydrate sulphide tartrate thiocyanate valerianate Propylamine trimethylamine hydrochloride Propylene— bromide diamine Protargol Protocatechuic alde- hyde Protopin Protosal Pseudo— -conhydrin -hyoscyamine Pulegone Punicin Purgatin Purgatol Purgen Purpurin <i>D</i> Pyoktanin <i>D</i> Pyracetosyl Pyraloxine Pyramidon camphorate salicylate Pyranthin soluble Pyrazol Pyrazoline Pyrazolone— dimethyloxychini- zin phenyldimethylate phenyldimethylate salicylate Pyrenol Pyridine (not Pyri- dine bases) Pyridine— citrate chloriodine chloromethylate nitrate sulphate Pyrobromone Pyrocaine Pyrocatechin	Pyrocatechin— monoethylether monomethylether Pyrodin Pyrogallol <i>D</i> monacetate triacetate methylether Pyronal Pyrophane Pyrosal Pyrosulphuryl chloride Pyrotartaric an- hydride Quassin Quebrachamine sulphate Quebrachin hydrochlorate Quietol Quinalform Quinaldine <i>D</i> ethyl iodide Quinalgene Quinaminol Quinaphenin Quinaphthol Quinaseptol Quineonal Quinhydrone Quinidine bisulphate citrate hydrobromate sulphate tannate Quinine acetate acetyl-salicylate ethylsulphate albuminate anisate antipyrin-salicy- late -valerianate arsenate benzoate bromide bi-iodate bimuriate bitartrate borate borosalicylate bromate brom-hydrochlor- ate cacodylate camphorate carbolate carbonato chlorhydrophos- phate chlorhydrosul- phate chlorate cinnamate citrate " with iron pyrophosphate citric-salicylate dihydrobromate dihydrochlorate dihydroiodate ethyl-carbonate ferri-chloride ferro-bromide " -citrate " -cyanide " -iodide fluoride formate gallate glycerophosphate glycyrrhizinate hippurate hydrobromate hydrochlorate hydrochlorosul- phate hydroferrocyanide hydrofluoride hydroiodate hypophosphite iodate iodide lactate muriate nitrate nucleinate oleate peptonate phenylate phosphate phospho-lactate " -muriate	Quinine— phytin quinato salicylate santonate stearate sucinate sulpho-carbolate " iodate " muriate " phenylate tannate tartrato uranium chloride urate urea hydrochloride valerianate Quinofarm Quinoline com- pounds (see Chinoline) Quinine Quinotropan Quinoxaline Radium— barium chloride bromide Rafinose <i>R</i> Reducin Resaldol Resopyrine Resorcine <i>D</i> Resorcinol— acetate <i>D</i> ethyl ether methylether Reunio Rexotan Rhamnose <i>R</i> Rhein Rheumatism Rhodaform Rhodamine <i>D</i> Rhodinol Rhodium— chloride sesqui-oxide sodium sesqui- chloride Rochelle Salt Rodinal <i>D</i> Rongalite Rosaniline <i>D</i> acetate hydrochlorate <i>D</i> sulphonate Rubidium sul- phate aluminium sul- phate bromide carbonate chloride chromate fluoride hydroxide iodide nitrate oxybenzoate salicylate sulphate Ruthenium— bromide chloride iodide oxychloride sesqui-oxide Sabadin hydrochlorate nitrate sulphate Sabadinin Sabadinin— bisulphate hydrochlorate Sabinene Sabinol Sabromine Saccharin Safranin <i>D</i> Safrol Sajodin Salacetol Salen Salletin Salibromin Salicin Salicrol Salicylaldehyde <i>D</i> methylphenyl- hydrazone Salicylamide Salicylresorcine- ketone Saliformin Saligenin Salimenthol Salinaphthol
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Saliphenic	Silver	Sodium—	Sodium—	Strontium—	Tellurium anhydride
Salipyrin	valerate	formaldehyde sul-	pyrosulphite	fluoride	Tellurium—
Salit	Skatol	phoxylate	quinat	formate	dibromide
Salithymol	Soamin	formate	racemate	glycerophosphate	dichloride
Salochinin	Sodamide	fumarate	rosanilinsulphonate	hydroxide	diodide
Salocoll	Sodium—	glutarate	<i>D</i>	hyposulphate	oxide
Salocrool	acetate	glycerophosphate	rosalate <i>D</i>	hyposulphite	subnitrate
Salol	aceto-acetic-ether	glycocholate	salicylate	iodate	subphide
camphorate	aceto-tungstate	glycollate	salvarsan	iodide	tetrachloride
Salophen	acetylsalicylate	guaiacate	santonan	lactate	Terephtal-aldehyde
Saloquinine	alizarinsulphon-	gynocardate	santoninate	nitrate	Terephtalyl chlor-
Salubrol	ate <i>D</i>	heptylate	selenate	nitrite	ide
Salufer	aluminate <i>R</i>	hippurate	selenite	oxalate	Terpene hydriodide
Salumin	amidonaphthol di-	hydrate <i>R</i>	silicate	oxide	Terpineol
Salvarsan	sulphonate <i>D</i>	hydrocarbonate <i>R</i>	silico-fluoride	peroxide	Terpineol—
neo-	amidophenyl ar-	hydrosulphite	silvinate	phosphate	butyrate
Samarium	sonate	bypophosphate	stannate <i>R</i>	potassium chlorate	Terpin hydrate
pouids *	ammonium oxalate	hypophosphate	stearate <i>R</i>	salicylate	Terpinol
Sanguinarine	" phosphate	hypophosphite	succinate	silicate	Terphenyl—
nitrate	" sulphate	hyposulphite <i>R</i>	sulphauliate <i>D</i>	silphate	acetate
sulphate	" tartrate	indigosulphate <i>D</i>	sulphantimoniate	sulphide	cinnamate
Sanoform	amylsulphate	iodate	sulphate <i>R</i>	tartrate	formate
Santalol	anisate	iodide	sulph-hydrate <i>R</i>	thiosulphate	propionate
carbonate	anthranilate <i>D</i>	isobutyl-sulphate	sulphide <i>R</i>	Thioplanthin	Tetra—
Santheose	$\beta$ -anthraquinone-	isobutyrate	sulphite <i>R</i>	Strychnine	bromeresol
Santouine	sulphonate <i>D</i>	lactate	sulphobenzide-sul-	acetate	bromphenolphtha-
Santoninnoxime	antimoniate	lactopbosphate	phonate	arsenate	lein
Santyl	arsenate <i>R</i>	magnesium lactate	sulpho-carbolate	arsenite	bromphenolphtha-
Sarcosine	arsenite <i>R</i>	" phosphate	" -carbonate	bisulphate	lin
chloride	asparaginate	" sulphate	" -cyanide	caecodylate	brom-o-xylene
Scopolamine	benzoate	" tartrate	" -ichthyolate	campborate	" -m-xylene
hydrobromate	benzolsulphonate	malate	" molybdate	citrate	" -p-xylene
hydrochlorate	<i>D</i>	malonate	" -phenylate <i>D</i>	ferri-citrate	cblorethane
hydroiodate	benzyl-sulphonate	meconate	" -ricinate <i>R</i>	formate	cblore-phenol-
methylbromide	<i>D</i>	meta-bisulphite	" -salicylate	glycerophosphate	pbtbalein
sulphate	beta-naphtholate	metaborate	tannate <i>R</i>	hydrobromate	-ethyl-ammonium
Scopolin	biborate <i>R</i>	metanilate <i>D</i>	tartrate	hydrochlorate	bromide
Sedatine	bicarbonate <i>R</i>	metaphosphate	tanrocholate	hypophosphite	" " chloride
Selenic—	bichromate <i>R</i>	meta-vanadate	tellurate	iodate	" " hydroxide
chloride	bictrate	methylsulphate	tellurite	lactate	" " iodide
oxychloride	bifluoride	monomethylarson-	tetraborate <i>R</i>	methyl-iodide	" urea
Selenious chloride	bilactate	ate	tetrasilicate <i>R</i>	nitrate	-hydro- $\beta$ -naphthyl-
Semicarbazide—	binoxalate	$\alpha$ -naphthalene-sul-	thio-antimoniate	phenolsulphonate	amine
hydrochlorate	biphosphate	phonate <i>D</i>	thiocyanate	phosphate	" bicarbonate
nitrate	bipyro-phosphate	$\beta$ - " " " <i>D</i>	thiophenemonosul-	quinine ferro-	" hydrochlorate
Semioxamazide	bismuthate	naphthionate <i>D</i>	phate	citrate	-hydro-quinoline
Septacrol	bisulphate <i>R</i>	$\beta$ -naphthol disul-	thiosulphate <i>R</i>	salicylate	" -p-quinanisol
Sidonal	bisulphite <i>R</i>	phonate <i>D</i>	toluene sulphonate	sulphate	-iodo-fluoresceine
Silberol	bitartrate	$\alpha$ -naphtholsulphon-	<i>D</i>	valerate	" sodium
Silicon—	borate (neutral)	ate <i>D</i>	trichloracetate	Stypticin	iodo-phenolphtha-
bromide	bore-benzoate	$\beta$ - " " " <i>D</i>	trichlorolactate	Styptol	lein
chloride	" citrate	naphthylamine-sul-	trichlorophenylate	Styraccol	" -pyrrol
chloroform	" fluoride	phonate <i>D</i>	truxillate	Styrol	-methyl-ammonium
Silver—	" salicylate	nitranilate	tungstate	Styrolene	bromide
acetate	" tartrate	nitrate <i>R</i>	uranate	Styrolol—	" " chloride
arsenate	bromate	nitrite <i>R</i>	urate	acetate	" " hydroxide
arsenite	butylsulphate	nitrobenzene-sul-	valerianate	propionate	" " iodide
benzoate	butyrate	phonate <i>D</i>	vanadate	valerianate	" " oxide
bichromate	caecodylate	nitronaphthalin-	veronal	Styron	" -benzidine
borate	camphorate	mono-sulphonate	xanthogenate	Subcutin	" -benzol
bromate	carbonate <i>R</i>	<i>D</i>	Solanidin	Sublamine	" -diamido-
bromcamphor-sul-	carminate	nitroprusside	hydrochlorate	Succinamide	benzopbeuone <i>D</i>
phonate	caustic <i>R</i>	nitroso betanaph-	Solulol	Succinyl chloride	" diamido-
bromide	chloracetate	tholate <i>D</i>	Somnoform	Sucramine	diphenyl-methane
butyrate	chlorate <i>R</i>	nucleinate	Sophol	Sucrol	<i>D</i>
carbonate	chloride <i>R</i>	cenantbate	Sorbin	Sulphaldehyde	" -diamido-
chloride	chloride <i>R</i>	oleate <i>R</i>	Sorbit <i>R</i>	Sulphaminol	diphenyl-methane
chlorate	chlor-hydropbos-	oxalate	Sozal	Sulphobenzide	hydrochlorate <i>D</i>
chromate	phate	oxy-benzoate	Soziodol acid	Sulphobenzimide	" " " <i>D</i>
cinnamate	chloro-borate	palmitate <i>R</i>	aluminium	Sulphocarbamide <i>D</i>	" -diphenyl
citrate	" platinate	perborate	ammonium	Sulphoform	" paraphenyl-
cyanate	" platinitate	perchlorate	barium	Sulphol	ene-diamine
cyanide	chromate	periodate	bismuth	Sulphourea	hydrochloride
ferrocyanide	cinnamate	permanganate	lead	Sulphur—	-nitro-methane
fluoride	citrate acid	peroxide	lithium	chloride <i>R</i>	-phenyl-silicon
glutarate	" neutral	persulphate	mercury	hypochlorite	-propyl-ammonium
iodate	citro-benzoate	phenate <i>D</i>	potassium	iodide	hydroxide
iodide	cobaltinitrite	pbenolphthaleinate	sodium	Sulphuryl chloride	-propyl-ammonium
lactate	cresotinate, ortho-	phenol-sulphonate	zinc	<i>R</i>	iodide
malonate	" meta-	phenyl-acetate	Sparteine	Suprarenaline	Tetronal
mercury iodide	" para-	phenylpropionate	hydrochlorate	Suprarenine	Tballine
neo-salvarsan	cyan-acetate	phosphate, mono-	sulphate	Sycese	periodide
nitrate	dichlor-acetate	" di-	triiodide	Sykorine	salicylate
nitrite	dietyl barbitur-	" tri-	Spirasyl	Symphorol	subphate
nucleinate	ate	phosphite	Spirasol	Synthalin	tannate
oxide	di-iodsalicylate	phospho-lactate	Stilbene	Tachiol	tartrate
perchlorate	dioxynaphthalene	" -molybdate	Stilbromide	Tannal	Thallium—
periodate	disulphonate <i>D</i>	" -tungstate	Stovaine	Tannigen	acetate
permanganate	dioxy-stearate	" -vanadate	Strontium—	Tannin <i>R</i>	aluminium sul-
peroxide	divanadate	phthalate <i>D</i>	acetate	Tannipyrine	phate
phosphate	elaidinate	pirocarminate	arsenite	Tannismuth	bromide
potassium cyanide	ethylate	potassium carbon-	borate	Tannisol	carbonate
proteinate	ethyl-sulphate	ate <i>R</i>	bromide	Tannoform	chloride
pyrophosphate	" sulphonate	" phosphate	bromate	Tanosol	fluoride
salicylate	" thiosulphate	" sulphate <i>R</i>	carbonate	Tantalum—	iodide
salvarsan	" xanthogenate	" tartrate	chlorate	chloride	nitrate
selenide	ferri-cyanide	propionate	chloride	pentoxide	oxide
sodium chloride	ferri-oxalate	propylsulphate	chromate	potassium fluoride	sesquichloride
sulphate	ferrocyanide <i>R</i>	pyroantimoniate	citrate	Tartar emetic	silver nitrate
sulphide	fluoride	pyrophosphate	ferri-cyanide	Tartarilide	sulphate
sulphite	fluorbenzoate	pyrosulphate	ferrocyanide	Taxin	thiocyanate
sulpho-carbolate					Thanatol
tartrate					
thallium nitrate					
thiocyanate					

\* See List G.



Thebaine	Toluidine—	Triphenyl—	Valerobromine	Yohimbine	Zinc—
hydrochlorate	acetate	-carbinol	Valerolactone	hydrochloride	perborate
Theine	hydrochlorate <i>D</i>	-chloromethane	Valeronitrile	Yttrium compounds*	perhydrol
Theobromine	sulphate <i>D</i>	guanidine	Valerydine	Zinc (arsenic-free for analysis) <i>R</i>	permanganate
aceto-salicylate	Tolunitrile, ortho-	" hydro-	Valeryl chloride		peroxide
hydrochlorate	para-	chlorate	Validol	acetate	phenolsulphonate
lithium-benzoate	Toluol <i>R</i>	methane	Valisan	albuminate	phenylate
lithium-salicylate	bromide, ortho-	phosphate <i>D</i>	Valyl	ammonium chloride	phosphate
salicylate	" para-	phosphine	Vanadium—	" <i>R</i>	phosphide
sodium acetate	chloride <i>D</i>	stibene-sulphide	chloride	sulphate	phosphite
" benzoate	Toluquinoline	Tripropylamine	pentoxide	arsenate	phospholactate
" formate	Toluquinone	$\beta$ -Trithio-benzalde-	sulphate	arsenite	potassium chloride
" iodide	Toluyaldehyde	hyde	sulphide	benzoate	" cyanide
" salicylate	Tolynlenediamine <i>D</i>	Trithio-formaldehyde	tetroxide	biborate	" iodide
" sulphate	hydrochloride <i>D</i>	Tritopin	trioxide	bichromate	" sulphate
Theobromose	Tolyl-dimethylpyr-	Tropacocaine	Vanillin	bromate	pyrophosphate
Theocine	azolone salicylate	hydrochlorate	Veratrine	bromide	salicylate
Theolactin	Tolyl-hydrazine <i>D</i>	nitrite	acetate	butyrate	silico-fluoride
Theophylline	" hydrochlorate,	Tropaolin <i>D</i>	hydrochlorate	carbonate <i>R</i>	stearate <i>R</i>
Theophylline sodium-	ortho- <i>D</i>	Tropine	nitrate	chloride <i>R</i>	subgallate
acetate	" hydrochlorate,	sulphate	sulphate	chloro-iodide	sulphanilate
" -salicylate	para- <i>D</i>	Tryen	valerianate	chromate	sulphate <i>R</i>
" -formate	-isothiocyanate	Tungsten—	Veratrol	chrysophanate	sulphide <i>R</i>
Thcosalin	-methyleketone	hexachloride	Veronal	citrate	sulphite
Thephorin	-methyl-pyrazolone	oxide	Veronal-sodium	cyanide	sulpho-carbolate
Thermifugin	-phenyleketone	oxychloride	Vesalvine	ethyl	" -cyanide
Thermine	-sulph-hydrate	oxytetrachloride	Vesipyrine	ethyl-sulphate	" -ichthyolate
Thermiol	-thiourea	Tussol	Vinyl bromide	ferrocyanide	" -phenylate
Thermodin	Tolypyrin	Tyalsin	Vioform	ferrocyanide <i>R</i>	tannate
Thialdin	Tolysal	Tyllithin	Vnzin	fluoride	tartrate
Thio-benzamide	Toxynon	Tylnatrin	Xanthin	formaldehyde	trichloracetate
-carbamide	Traumatol	Tyramine	Xanthogenamide	formate	trichlorophenylate
-carbanilide <i>D</i>	Triacetin	Ulexin	Xaxa	gallate	valerianate
-diphenylamine	Triamylamine	Ulmarene	Xaxaquin	glycerophosph.	
-semicarbazide	Tribenzoine	Unal <i>D</i>	Xeroform	gynocardate	Zirconium—
Thiooc	Tribenzylamine	Uraline	Xylenol	hypophosphite	ammonium fluoride
Thioform	Tribrom-aldehyde-	Uraminoantipyrin	ortho-	iodate	ammonium carbonate
Thionyl chloride	cyan-hydrin	Uramyl	meta-	iodide	chloride
Thiophene	-aniline	Uranium <i>D</i>	para-	lactate	hydroxide
di-iodide	-hydrin	Uranium—	ortho-	malate	nitrate
tetrabromide	-phenol	acetate	meta-	manganese chloride	oxide
Thiophenol	salol	ammon. carbonate	para-	nitrate	oxychloride
Thiophysem	Tributyryl	" fluoride	Xyloquinone	oleate <i>R</i>	phosphate
Thiosinamin	Tricaprin	benzoate	Xylose <i>R</i>	oxalate	potassium fluoride
Thioresorcinol	Tricaproin	calcium phosphate	Xylol succinamide	oxide <i>R</i>	" oxalate
Thioxidiphenylamine	Tricaprylin	carbonate	Yatren	palmitate <i>R</i>	" sulphate
Thorium compounds*	Tricarbin	ferricyanide			Zuckerin
Thymacetin	Trichlor-acetyl chlor-	nitrate			
Thymatol	ide	oxalate			
Thymegol	-cresol	oxide			
Thymochinon	-ether	oxybromide			
Thymol	-ethylene	oxychloride			
di-iodide	-hydrin	phosphate			
methyl-ether	-lactamide	potassium nitrate			
phthalein	-phenol <i>D</i>	" sulphate			
Thymoquinone	-phloroglucin	tetrachloride			
Thymotol	-quinone	Uranyl—			
Thyresol	Tricresyl-carbonate	acetate			
Tin acetate	<i>D</i>	bromide			
ammonium chloride	-phosphate <i>D</i>	chloride			
bichloride <i>R</i>	Tricyan-triamide	nitrate			
bisulphide	Triethyl—	phosphate			
bromide	phosphine	potassium sulphate			
chloride <i>R</i>	sulphiniodide	salicylate			
chromate	Triethylamine	sodium acetate			
citrate	hydrochloride	sulphate			
iodide	Triferrin	Urapurgol			
lactate	Triformol	Urea			
oleate <i>R</i>	Trigemin	citrate			
oxalate	Tri-iodocresol	hydrochloride			
oxide	Tri-isobutylamine	nitrate			
phosphate	Trilaurin	oxalate			
phosphide	Trimethyl—	Urethane			
sulphate	-acetamide	ehloral-			
sulphide	-carbinol	ethyl-			
tartrate	-cyclo hexane	ethylidene-			
Tiodine	-ethylene	methyl-			
Titanium ammonium	-ethylene bromide	phenyl-			
fluoride	-pyrogallol	Urisol			
" oxalate	-sulphine iodide	Uritone			
chloride	- <i>p</i> -tolyl-ammonium	Uritropin, new			
hydroxide	iodide	Urocitral			
oxide	Trimethylamine	Urogenin			
potassium fluoride	-ethylene bromide	Urojer			
" oxalate	hydrochloride	Uropherin—			
sodium sulphate	Trimethylene—	benzoate			
sulphate	bromide	salicylate			
tetrabromide	chlorobromide	Urosin			
trichloride	cyanide	Urotropine (see Hexa-			
Tolamine	Trinitro—	methylenetetra-			
Tolidine <i>D</i>	-cresol <i>D</i>	mine)			
sulphate <i>D</i>	-isobutyl xylene	Ursal			
Toluene-azo-aniline	-naphthalene <i>D</i>	Valamin			
-azo-o-toluidine	phenol <i>D</i>	Valarin			
" - <i>p</i> -	Trional	Valeral-sodium bi-			
*sulphamide, para-	Trioximidomethylene	sulphite			
<i>D</i>	Trioxymethylene	Valeraldehyde			
sulphochloride,	Triphenetidine cit-	cyanhydrin			
para- <i>D</i>	rate	Valeramide, iso-			
Toluenediamine	Triphenin	Valeramide			
Tolu-hydroquinone		Valerianide			
Toluidine <i>D</i>		Valeric anhydride			

\* See List G.

In accordance with Section 7 of the Safeguarding of Industries Act, the President of the Board of Trade has appointed the following to be members of the permanent panel, from which committees consisting of five persons will be selected from time to time to consider and report upon complaints referred to them by the Board under Part II. (Prevention of Dumping) of the Act: Sir William Acworth, Mr. J. Arthur Aiton, Sir William Ashley, Mr. Arthur Balfour, M.P., Sir George S. Barnes, Sir John N. Barron, Bart., Mr. J. T. Brownlie, Sir Cecil Budd, Sir James C. Calder, Dr. J. H. Clapham, Mr. T. P. Cook, Mr. F. R. Davenport, Mr. A. K. Davies, Mr. F. P. Dorizzi, Mr. Rayner Goddard, Sir E. C. K. Gomer, Sir George R. Lowndes, K.C., Professor D. H. MacGregor, Mr. Stanley Machin, Mr. G. A. Moore, Mr. J. W. Murray, Sir Douglas Newton, Mr. E. Owen Parker, Mr. R. G. Perry, Mr. Arthur Pugh, Sir R. Henry Rew, Mr. C. A. Russell, K.C., Mr. Arthur Shaw, Sir Charles Stewart, Sir Edwin F. Stockton, Mr. H. L. Symonds, Mr. Gilbert C. Vale, and Sir Frank Warner.

YOUR DANGEROUS DRUGS ACT CARD is most useful in the pharmacy and admirably suited both for pharmaceutical students and assistants.—*Peter Fenton, F.C.S.*

BANKS AND THE EXCHANGES.—Much has been written of late on the subject of foreign exchanges, but the address delivered by Sir Herbert Hambling (deputy-chairman of Barclays Bank) to a Y.M.C.A. audience, and published in the "Financial Times" of September 21, is the most lucid exposition we have yet read. In effect, the reputation of the British banker has permeated to the ends of the earth, and a £1 bill on London is acceptable everywhere, as it can be turned into cash at once, because it is a form—perhaps, apart from gold, almost the only form—of international currency. Sir Herbert believes that "we should aim at avoiding such trade obstructions as might well arise out of measures like the Safeguarding of Industries Act and the maladministration of the Reparations question," a statement with which a large section of the commercial community will agree.



## Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, September 22.

REPORTS from Mincing Lane quarters do not indicate any improvement in the produce markets, and changes in values of crude drugs are few. Ergot meets with little demand and prices are lower. Menthol has advanced about 1s. per lb., solely from the fact that it is placed on the list of "fine" chemicals subject to 33½ per cent. duty; but the protest for its removal is likely to be influential and effectual, although several months may elapse. Japanese refined camphor is easier. Cinchona at auction was practically all bought in, and for isinglass at auction prices were materially lower. Shellac has substantially advanced, both on spot and in "futures." Cumin, canary, and mustard seeds are cheaper to buy. Spices are quiet; pepper, pimento, and cloves have moved in buyers' favour. Cassia lignea is higher. Chamomiles are nominal in the absence of offers from Belgium. Cottonseed and ground-nut oils are cheaper; refined rape is lower.

Higher	Firmer	Easier	Lower
Acetic acid	Citric acid	Camphor	Canary seed
Cassia lignea	Cocaine	(Jp. ref.)	Cumin seed
Cottonseed oil	Coumarin	Cedarwood oil	Ergot
Ground-nut oil	Cream of tartar	Farina (Dutch)	Ginger oil
Lithium	Formaldehyde	Lavender oil	Isinglass
carbonate	Geranium oil	Magnesium	Rape oil (ref.)
Menthol	(Bourb.)	Mustard seed	Rosemary oil
Salicylic acid	Heliotropine	Patchouli oil	
Shellac	Methyl salicylate	Peppermint oil	
Vanillin	Methyl sulphonal	(c.i.f.)	
	Oxalic acid	Pimento	
	Pimento oil	Sodium nitrate	
	Potassium		
	chlorate		
	Resorcin		
	Salol		
	Sodium chlorate		
	Sodium		
	hyposulphite		
	Sodium prussiate		
	Wormseed oil		

### Cablegram

NEW YORK, September 21.—Business continues quiet. Opium is lower at \$5.50 per lb. Curaçao aloes is cheaper at 6c. per lb., and Cartagena ipecacuanha has been reduced to \$1.35. Jalap is lower at 17c. Antipyrine has declined to \$2.10, formaldehyde to 11c., and hexamine to 75c. per lb. Menthol is higher at \$4.50; balsam Peru has advanced to \$1.45, round buchu to 95c., and saccharin to \$2.10 per lb.

### Crude Drugs, etc.

AGAR-AGAR.—The exports from Japan during June amounted to 160,487 kin, valued at 156,642 yen. During the six months ended June 30 they were as follows:

	1919	1920	1921
Kin ... ..	974,457	642,515	931,961
Yen ... ..	1,270,159	1,034,950	995,886

ANTIMONY is in slight demand only. English regulus in small lots is retained at 40% to 42%, according to quantity, and foreign now varies from about 25% to 26% c.i.f. The demand for crude is slow, hence new importations are quite negligible, the c.i.f. price being 15s. 10s., and the spot value nominally 17s.

CAMPHOR (REFINED).—Japanese continues quiet and is easier, 2½-lb. slabs offering at 3s. 10d. per lb. and Sep-

tember-October shipment at 3s. 9d. c.i.f. Chinese is 3s. 10d. spot and 3s. 9d. c.i.f.

The exports from Japan during June amounted to 888 kin, valued at 154,763 yen. During the six months ended June 30 they were as follows:

To	1919 Kin	1920 Kin	1921 Kin
British India ... ..	253	2,994	968
Great Britain ... ..	501	1,127	658
France ... ..	488	251	227
United States ... ..	9,205	1,902	717
Australia ... ..	16	128	256
Other Countries ... ..	447	964	376
Kin ... ..	10,910	7,366	3,202
Yen ... ..	3,012,571	3,976,740	652,387

CHAMOMILES.—Orders for several tons of the new crop, which were accepted earlier in the season by Belgian houses at prices much below those now ruling, have led to disappointing results, as many of them could not be executed, and buyers have been asked to pay more. It is still difficult to get offers from Belgium, where it is said only small lots now remain in the hands of farmers. Market is nominal at 240s. per cwt.; old crop (1919) has been sold on the spot at 170s. per cwt.

CINCHONA.—At the London auction on Tuesday 1,398 packages East Indian offered and 23 sold, comprising small reddish Crown chips at 1s. 4d. per lb.; 106 packages Ceylon, 32 bales Java, 215 bales Calisaya, and 280 packages African were bought in.

COD-LIVER OIL shows no appreciable change, finest Lofoten non-freezing oil offering at 95s. per barrel ex wharf London, or 90s. c.i.f. to arrive. Our Bergen correspondent writes on September 19 that the autumn shipments are now going on as usual. Consequently, the demand continues brisk, and holders are firm. The exchange on sterling has risen again, however, so that the advance in prices is somewhat neutralised.

ERGOT is cheaper owing to lack of demand, and spot can be obtained at 5s. 6d. per lb., while to arrive Portuguese is quoted at 5s. c.i.f. The *Darino*, from Oporto, has brought 19 cases.

GALLS are quiet. Chinese plum-shaped offer on the spot at 85s. and at 80s. per cwt. c.i.f.; ordinary shape is 75s. spot and 70s. c.i.f.

HEN YOLK continues quiet, with Chinese prime liquid offering at 115s. per cwt. on the spot and at 95s. c.i.f. for September-October shipment. Dried yolk is 3½d., sprayed whole egg 8d., and native dried whole 4½d. per lb. on the spot. Prime hen albumen is 3s. spot and 2s. 10½d. c.i.f. for September-October shipment.

MAGNESIUM.—The tendency is still downward, Continental being offered at 3s. 9d. to 4s. per lb. c.i.f., while home makers are asking about 5s. 3d. per lb.

MENTHOL.—The fact that menthol is placed on the list of "key" products has given a slightly better feeling to the market, sellers having done business in Kobayashi-Suzuki at from 22s. 6d. to 23s. 6d., but some now ask 25s. per lb. on the spot.

The exports from Japan during June amounted to 115 kin, valued at 121,936 yen. During the six months ended June 30 they were as follows:

	1919	1920	1921
Kin ... ..	1,414	2,683	1,049
Yen ... ..	1,400,675	4,281,259	990,254

MERCURY.—Prices are extremely wide, and this would almost suggest that action may soon be taken by leading importers (who still retain their price at 10s. 10s. per bottle) in order to meet outside competition, which in the case of Italian has been very keen. Of course, the general demand has remained so far lifeless, and the main portion of the business appears to be taking place at around 10s. per bottle, and even down to as low as 9s. 15s. American importers are said to take less interest in fresh importations from Italy. Old stocks in Japan are believed to have been liquidated entirely, and also the holdings that were lying in the States on Japanese account.

SAFFRON.—As the new crop does not arrive here until December, supplies will continue scarce and prices high. Present quotations range from 67s. to 75s. per lb. net for B.P., according to quality.



SENEGA can be had at from 4s. 2d. to 4s. 3d. per lb. on the spot. A New York advice (August 31) states that "holders of spot goods have raised their price to 75c., and very little obtainable at this figure. All reports received from producing districts are still very "bullish"—there is practically nothing offering. At the same time, there is no export demand, and it remains to be seen how long producers will be able to maintain their position."

SHELLAC.—Late last week the spot value of usual standard TN Orange quality was advanced to 320s., and this week it stands at 325s. to 330s.; fine lemon is now 420s. to 425s.; fine second Orange, 390s. to 400s.; RL 1, 340s.; AC cakey, 285s.; and IG 220s. "Futures" show a considerable advance, October having been sold at from 300s. to 330s. and December at from 295s. to 330s.

STARCH PRODUCTS.—*Farina* continues quiet. The value of Japanese No. 1 is 28s. 6d. per cwt. c.i.f. for September-October shipment, and Dutch on the spot is 27s. *Maize starch* powder is 16s. 3d. per cwt. on the spot, and pure *Rice starch* crystals 40l. per ton.

TURPENTINE.—The tendency continues irregular, with rather more forward inquiries at a premium, although the demand for spot is not very active at this end as compared with the more important purchases that have been made in the North just lately, especially in Scotland, where spot actually touched 69s. 6d. per cwt. Manchester, too, is quoting much stiffer rates; London closes at 70s. 6d. per cwt. The stocks here have again decreased to about 14,000 barrels.

WAX, VEGETABLE.—The exports from Japan during June amounted to 1,983 kin, valued at 64,964 yen. During the six months ended June 30 they were as follows:

		1919	1920	1921
Kin	...	6,721	4,150	8,339
Yen	...	252,252	220,764	290,200

#### Seeds and Spices

ANISE is quoted-at 74s. per cwt., and Spanish at 75s. on the spot.

CANARY SEED is easy. Larache is offered at 85s. to 95s. per quarter on the spot as to quality. Mazagan is 105s., Spanish 110s. to 150s., and La Plata 80s. to 90s. as to quality.

CAPSICUMS.—At auction last week 96 bales sold at slightly below late values, comprising fair red medium and stalky Bombay at 30s. per cwt.

CARAWAY SEED.—Dutch is quoted at 32s. 6d. to 35s., and Morocco at from 22s. 6d. to 25s. per cwt. on the spot.

CASSIA LIGNEA is dearer, spot sales of whole selected having been made up to 40s. per cwt. and broken at 29s.

CINNAMON and CASSIA are obtainable at low prices, but there is very little inquiry.

CLOVES have fluctuated between 1s. 2d. and 1s. 3½d. per lb. on the spot for fair Zanzibar, but close at 1s. 3d. to 1s. 3½d., business having been done at the higher price. Near at hand has been sold at 1s. 2½d. to 1s. 2¾d. and September-November at 1s. 2d. c.i.f.; for October-December shipment 1s. 2¼d. to 1s. 2d. c.i.f. has been paid.

CORIANDER SEED.—Sound is offered at 29s. 6d., and wormy at from 17s. to 25s. per cwt. on the spot.

CUMIN SEED is cheaper than when last quoted, spot offering at 60s. per cwt.

DILL SEED is obtainable at 25s. per cwt. for cleaned on the spot.

FENNEL SEED is now obtainable at 42s. 6d. per cwt. on the spot.

FENUGREEK SEED is unaltered at 13s. 9d. per cwt. on the spot and at 12s. 6d. c.i.f.

GINGER is unaltered, with a fair demand, particularly for pickling descriptions. Sound Jamaica is almost unobtainable on the London market, and second-hand sellers are asking very high prices.

LINSEED.—Morocco is quoted at 23s. per cwt. c.i.f.

MUSTARD SEED.—Fair English yellow is easier at 36s. per cwt. on the spot.

PEPPER is steady at last week's decline, fair black Singapore offering at 4d. per lb. on the spot; afloat has been sold at 3¾d. and October-December shipment at 3½d. to 3¾d.

c.i.f. Lampong is 4½d., Tellicherry 4¾d., and Aleppy 4¼d. on the spot. White pepper is quiet, Muntok offering at 9d.; to arrive, September-November has been sold at 8¾d. and October-December shipment at 8½d. to 8¾d. c.i.f. Singapore is 8¾d., and the value of October-December is 8d. c.i.f.

PIMENTO is easier, spot offering at 2½d. per lb. and to arrive at 23s. per cwt. c.i.f.

#### Essential Oils

FLUCTUATIONS in exchange are responsible for easier quotations for Sicilian oils, but otherwise there are comparatively few changes to make. Bourbon geranium, wormseed, and pimento oils are firmer. Cedarwood, French lavender, and American peppermint oils are easier; ginger oil has been reduced. Spanish rosemary seems to be without interest except for small lots at lower prices.

ANISE (STAR).—"Red Ship" is quiet at 2s. 3d. per lb. for spot. To come forward the price quoted is 2s. 3d. c.i.f. The Syria has brought 250 cases from Hong Kong to London.

BERGAMOT.—To come forward quotations are made at from 26s. to 29s. c.i.f. for 37 to 39 l.a. Only small spot parcels are being offered at from 27s. to 29s. per lb., and 28s. has been paid in some directions.

CAMPHOR.—Japanese essential white appears to be offered only in large-size drums at 125s. per cwt. for spot.

The exports from Japan during June amounted to 1,251 kin, valued at 16,783 yen. During the six months ended June 30 they were as follows:

		1919	1920	1921
Kin	...	2,664	12,216	3,905
Yen	...	66,244	537,267	71,973

CASSIA on the spot is unchanged at 4s. 9d. per lb. for 80 to 85 c.a. To come forward 4s. 1d. c.i.f. is quoted. Shipment afloat is offered at 4s. 3d.

CEDARWOOD is a shade easier on the spot at 2s. 8d. to 2s. 10d. per lb. for quantity, according to packing. To come forward 2s. 3d. c.i.f. is quoted. Buyers from France and Germany are reported recently to have been active.

CINNAMON.—Ceylon leaf is unchanged at from 4¾d. to 5d. per oz. for spot, and 4¼d. c.i.f. is quoted to arrive.

CITRONELLA.—Ceylon on the spot is uncalled for at 1s. 6d. per lb. In some directions 1s. 6½d. is wanted; to arrive is quoted at 1s. 5½d. c.i.f. Business has been done in Java oil at 2s. 9d. spot. Holders quote from 2s. 9d. to 2s. 10d.

CLOVE.—The spice continues to fluctuate and is again dearer, but there are no buyers of oil at 9s. per lb. from distillers at which price it is not remunerative. Second-hands continue to sell at 3d. to 6d. per lb. under this figure.

GERANIUM.—Bourbon is again dearer on the spot, principal holders quoting at from 17s. to 18s. per lb. A few small parcels are still offered at 15s. 6d. spot. Algerian is in small demand and easier at from 20s. to 22s. per lb. for spot.

GINGER on the spot is quoted at 30s. per lb. in 5-lb. lots, which is a reduction on our previous quotation.

GUAIACWOOD is offered on the spot at 20s. per lb. for 12-lb. lots.

LAVENDER.—Finest French oil is selling slowly at reduced prices, from 17s. to 18s. per lb. spot being quoted for 38 to 40 per cent. ester, and in one direction this can be shaded.

LEMON on the spot is fairly steady at from 3s. 10½d. to 4s. 3d. per lb. for good brands. To come forward quotations are tending easier at from 3s. 8d. to 4s. c.i.f. In some directions much higher figures are mentioned.

PALERMO, September 15.—The entire absence of business still continues, and speculative buyers have also kept quiet, leaving the market inactive. Prices are unchanged, and as stocks are in strong hands any demand may find sellers ready to take full advantage of it, as they have been doing.

LEMONGRASS.—Cochin on the spot is cheaper at from 3d. to 3¼d. per oz. spot. There is very little inquiry. To come forward from 3¼d. c.i.f. and upwards is quoted.

MINT.—Japanese dementholised Kobayashi-Suzuki is unchanged at 4s. 9d. per lb. spot. To come forward 4s. 6d. c.i.f. is about the figure.



The exports from Japan during June amounted to 169 kin, valued at 32,534 yen. During the six months ended June 30 they were as follows:

	1919	1920	1921
Kin ... ..	1,987	2,084	895
Yen ... ..	530,649	1,465,700	220,741

ORANGE.—Sicilian sweet is unchanged at from 17s. to 18s. per lb. for spot. The price to come forward is 16s. to 18s. c.i.f., which is slightly easier. West Indian sweet has been selling at 14s. per lb., but holders in some directions are now quoting 15s. as lowest. To come forward the quotation is about 14s. c.i.f.

PALMAROSA has been in moderate demand, holders quoting 14s. 6d. per lb. for large pots.

PATCHOULI.—A fair business has been done, some holders having cleared their stocks. The present spot quotation is nominal at 40s. to 41s. 6d. per lb. as to holder.

PEPPERMINT.—American tin oil continues fairly steady at about 12s. 3d. per lb. for spot. To come forward business has been done in the neighbourhood of 11s. c.i.f. Redistilled is quoted 13s. 6d. spot in one direction.

PETITGRAIN.—Paraguayan is quiet with sellers at from 10s. to 12s. per lb. spot. To come forward 12s. c.i.f. is quoted in some directions.

PIMENTO is quoted to come forward at 15s. per lb. c.i.f., which is higher than the previous quotation.

NUTMEG is unchanged on the spot at 6s. per lb. for 23-lb. parcels.

ROSEMARY is slow of sale, and finest quality Spanish is lower on the spot with sellers at from 1s. 6d. to 1s. 10d. per lb.

SASSAFRAS is unchanged at 7s. 9d. to 8s. per lb. as to holder for genuine. Artificial is quoted 2s. 11d. spot.

SPIKE.—Spanish is quiet on the spot pending the arrival of new crop oil, some of which is ready for shipment. Holders are quoting 3s. 11d. to 4s. per lb. To come forward, 3s. 6d. c.i.f. is quoted for fine-quality oil.

THYME.—Spanish is quoted at 5s. per lb. for 23-30 per cent., and 6s. for 40-45.

WINTERGREEN (SWEET BIRCH OIL).—Spot is unchanged at from 18s. to 20s. per lb. The price to come forward varies at from 19s. to 21s. c.i.f.

WORMSEED is again slightly firmer, from 17s. to 19s. per lb. being current quotations.

#### Fixed Oils, etc.

BUSINESS in this market continues to be quite brisk in a few products, and cottonseed, ground-nut, and palm-kernel oils all close very firm at advanced figures. Tallow has been much quieter. Refined rape oil is cheaper. Acid oils—coconut, 49s.; palm kernel, 49s.; ground nut, 42s. 6d.; values are slightly higher this week and the market closes steady. Bone grease—pale water is still unobtainable. Brown is fairly steady at 40s., and benzine is cheaper, but the market closes steady at 38s. Castor oil has remained very steady, and values are unchanged at: Pharmaceutical, 60s.; first pressings, 55s.; second pressings, 50s.; the demand has not been good. French medicinal water white is 60s., and first pressings 56s. ex wharf London. Coconut oil—deodorised remains steady at 65s.; Ceylon at 56s.; and Cochin, 68s.; the market has been dull. Cottonseed oil—the market has advanced all round and closes very firm at deodorised, 61s.; common edible, 52s.; soapmaking, 50s.; crude, 44s. Fish oils have been well maintained, and closes firm at Japanese in cases, 24s.; coast cod at 31s. Ground-nut oil—the deodorised has advanced to about 66s., and remains quite firm at that figure. Crude Oriental is unchanged and steady at 55s. Palm-kernel oil is showing up slightly dearer at the close, and the market is firm at deodorised 62s., and crude at 52s. Palm oil is well maintained, and is being quoted round about last week's figures at—Lagos, 43l. 10s.; softs, 41l.; hards, 37l. 5s.—all per ton. Rape oil has been distinctly quiet, and refined has eased off and closes at 59s.; crude is quoted at about 57s. Soap stock is not being offered, and value nominal. Soyabean oil has been on the quiet side, but deodorised is now quoted at about 64s., while crude Oriental has eased off to 45s. Linseed oil has been somewhat erratic, while the tendency of seed is inclined to be unsteady. Crushers

have been rather influenced in their attitude by the recent much larger arrivals of Argentine seed. Speculative operations both ways have been considerable for some time past, and fluctuations are naturally to be expected; closing values were 34s. spot naked; October-November, 35s. 6d.; and January-April, 34s. 6d. Tallow—the demand during the week has quietened down, but values are well maintained and close at about: Fine mutton, 60s.; fine beef, 62s.; good mixed, 57s. 6d.; inferior, 43s.; the inferior has dropped 4s. since last week.

#### Pharmaceutical Chemicals

THROUGHOUT this market there is a distinct tendency on the part of holders of stocks to harden their prices, and, generally speaking, quotations are at higher figures. Buyers, however, do not seem to be willing to accept these prices, and for the time being—although the market has quite a firm tone—business is limited. The list of products under the Safeguarding of Industries Act, 1921, has now been issued, and, as was expected, practically every product in this section is scheduled and will be liable to an *ad valorem* duty of 33½ per cent. on importation on and from October 1. The list even contains some British trademark chemicals! It is generally accepted that there are very considerable stocks of chemicals at present in the country, and, unless the demand improves, they will last for some time to come. Aspirin and the salicylates have sold freely, and are dearer. Phenacetin is decidedly firmer. Bromides are firm; lithium carbonate is scarce and dearer; vanillin is higher; methyl salicylate, methyl sulphonal, salol, resorcin, and cocaine are all firmer. Perfumery chemicals, like coumarin and heliotropine, have a distinct upward tendency. Prices of chemicals in Germany continue to advance, and strenuous endeavours are being made to effect shipment from Hamburg and Holland before October 1.

ACETANILIDE (crystals and powder) is showing up firmer at about 1s. 5d. to 1s. 6d. per lb., but business is slack.

AMIDOPYRIN is unchanged at about 20s. per lb.; market is quiet.

ASPIRIN.—A considerable amount of business has been done, in view of the new duty, at from 2s. 10d. to 3s. 3d. per lb., the latter representing favourite brands.

BARBITONE continues weak and unsteady, with quotations round about 12s. 6d. to 13s. 6d. per lb. Sales are poor.

BENZALDEHYDE remains rather quiet, with values steady at 3s. 9d. per lb. for .03.

BENZOIC ACID continues quiet at the steady figure of 2s. 3d. per lb.

BENZONAPHTHOL is maintained at 6s. 6d. to 7s. per lb., but is little inquired for.

BETANAPHTHOL still drags on the market, with good stocks offering; current price is about 3s. 3d. per lb.

BROMIDES.—Ammonium is firm at 11d. to 1s. per lb. Potassium is well maintained at 8½d. to 9d., and sodium is still quoted at about 10d. per lb. There is, however, only a poor demand, with good stocks available.

CALCIUM LACTATE has not improved in demand; quotations are still at 2s. 3d. per lb.

CHLORAL HYDRATE is showing up slightly firmer again this week, and little offering below 5s. per lb., with 5s. 3d. to 5s. 6d. quoted for broken bulk. The 33½ per cent. duty should enable this to be made here.

CITRIC ACID is firmer at from 2s. 4½d. to 2s. 5d. per lb. 2s. 4d. has been refused for a large quantity.

COCAINE shows a firmer tendency, and one of the agents is said to have temporarily withdrawn from the market. Hydrochloride can, however, still be bought from first hands at from 10s. to 11s. per oz.

COUMARIN is firmer at from 12s. to 12s. 6d. per lb.

CREAM OF TARTAR.—The fact that cream of tartar is declared to be a "fine" chemical by the Board of Trade, and is subject to the duty of 33½ per cent., has led to a protest to the authorities from importers, but without avail. Meanwhile the market is unsettled, but prices have a rising tendency.

CREOSOTE (B.P.) remains unchanged and steady at 4s. 9d. to 5s. per lb.

CREOSOTE CARBONATE is quoted at last week's figure of 14s. per lb.



GUAIACOL CARBONATE continues weak and neglected. Some offers are down to as low as 13s. Average quotation is 14s. per lb.

HELIOTROPINE.—Some sellers have temporarily withdrawn from the market, and it is difficult to give a quotation.

HEXAMINE remains firm at about 4s. 3d. to 4s. 6d. per lb., and the market has quite a good tone.

HYDROQUINONE has fallen off in demand lately, but prices are unchanged at 4s. 3d. to 4s. 6d. for smaller lots per lb.

LITHIUM CARBONATE.—Market has become suddenly bare: sales have been made at 11s. per lb., at which price there are buyers.

METHYL SALICYLATE is firmer at 2s. 4d. to 2s. 6d. per lb., with a fair demand.

METHYL SULPHONAL is firmer, and about 20s. is being asked for B.P. material.

MILK SUGAR is scheduled as a key product as lactose, and is likely to be the subject of protest by the large consumers. At the moment it is difficult to give a price, but about 140s. per cwt. would represent the spot value of B.P. powder.

PARAFORMALDEHYDE remains firm at 3s. 3d. to 3s. 6d. per lb., but business is poor.

PARALDEHYDE is well maintained at 2s. to 2s. 3d. per lb., but there is little inquiry on the market; there is not likely to be any substantial advance in this product.

PHENACETIN is also showing up firmer; spot sales have been made as from 7s. 6d. to 7s. 9d. per lb., but on Wednesday current values were from 8s. per lb. upwards.

PHENAZONE is also showing up firmer at 7s. 6d. to 7s. 9d. per lb.

PHENOLPHTHALEIN is quite unchanged at 4s. and 5s. per lb. on a steady market.

PIPERAZINE is at last week's advanced figure of 4s. 3d. per oz. on the spot.

POTASSIUM PERMANGANATE.—B.P. quality is in good supply, and still moving at the old price of 1s. per lb. and upwards.

POTASSIUM SULPHOGUAIACOLATE can be had as low as 6s. 9d. from some holders, other nominal quotations are at 8s., but there seems to be no demand.

RESORCIN is distinctly firmer and is not now offering below 8s. to 8s. 3d. per lb. for B.P. quality. It is difficult to get an import licence, and when this is obtained it will be necessary to pay the 3½ per cent. duty.

SALICYLATES.—The chief demand has been for sodium salicylate, and a good business has been done at up to 2s. 6d. per lb. for B.P. powder; crystals are quoted at from 2s. 9d. to 3s., the latter for large flake. Salicylic acid has also sold freely and makers are asking higher prices; from 1s. 6d. to 1s. 8d. per lb. represents current values of B.P. quality.

SALOL is firmer this week at 2s. 9d. to 2s. 10d. per lb.

SODIUM DIETHYLBARBITURATE is still rather quiet, but the market is firm at about 22s. per lb.

SULPHONAL is unchanged on a dull market at 20s. per lb.

TARTARIC ACID.—A large speculative business has been done in spot parcels as a result of the 3½ per cent. duty, and 1s. 4½d. per lb. is now regarded as fair current value.

TERPIN HYDRATE remains steady at 3s. 6d. per lb.

THYMOL is nominal and without inquiry.

VANILLIN.—Early in the week the market was very firm at about 34s. to 35s. per lb., but 36s. to 37s. represents current values as we closed for press on Wednesday.

### Heavy Chemicals

London, September 21.

THE depression in trade is still most marked in the "heavy" chemical market, business during the past week being quite small. The only alterations in values to record are in cases where the product has been scheduled under the Safeguarding of Industries Act, and in such cases the tendency has been for holders of spot lots to "firm up" their prices. Acetic acid 80 per cent. and over, oxalic acid, hypo. pea crystals, potassium chlorate, citric acid, cream of tartar are all firmer. Formaldehyde is likely to advance.

ACETIC ACID during the week has further advanced, and the limited stocks now offering on the spot are quoted at about 44l. per ton for 80 per cent. pure, 42l. for 80 per cent. technical, and round about 50l. for 98 per cent. glacial.

ACETONE, British Government specification, continues to be uncalled for, and is nominal at about 85l. per ton.

ALUM.—Lump in bags still finds but few buyers for the cheap offers made from the Continent. British is unchanged at about 17l. per ton.

AMMONIA SULPHATE is quoted at—neutral quality 25½ per cent. ammonia, September delivery, 14l. 10s.; October, 14l. 13s. per ton; and for ordinary quality 25¼ per cent. ammonia, September, 13l. 7s.; October, 13l. 10s., for the home trade only.

ARSENIC.—The market is showing slight resistance to the recent weakness, not really because of any improved demand but on account of the very moderate quantities on offer. White Cornish is held by some agents for 32l. 8s. per ton delivered London, but it is claimed that business is possible at less. Only few parcels of Continental are reported on offer.

BARIUM CHLORIDE (98 to 100 per cent.) remains lifeless, with some spot lots offering at cut prices. British makers quote nominally at about 17l. Continental offers are in the region of 14l.

BLANC FINE continues quiet, with values steadily maintained at 22l. 10s. per ton.

BORAX is offering on the spot and from makers at about the same figure. Commercial crystals, 31l.; powdered, 32l.; B.P. crystals, 35l.; powdered, 36l.; extra fine, 37l. per ton quoted for all destinations by makers; the demand is below the average.

COPPER SULPHATE is almost unchanged, there being a fair Continental demand, but keen competition at around 31l. per ton for casks less 5 per cent. f.o.b. Liverpool. The new season's prospects, having regard to British manufacturers, are not very bright. Consumption in Southern European countries will probably again be on a large scale, but the Italian production is on a much larger scale than in this country, and continuous sharp competition is inevitable. The reputation of British brands, however, carries weight with many users.

FORMALDEHYDE (a "key" product) is showing up firmer in spot holders' hands, although there is no demand. Values nominal at about 95l. per ton.

GLAUBER'S SALT remains quite neglected, with spot lots quoted at 5l. per ton for commercial quality.

LEAD ACETATE shows no signs of livening up; offers are at about the same figures of 52l. for white crystals and 47l. for brown broken.

LEAD PRODUCTS.—Imported red lead is available at about 33l. 10s., which is undercutting British makers' prices. Litharge also from the Continent is offering at about 33l. 10s. c.i.f. London, with occasional limited sales.

LITHOPONE remains steady, but there is very little movement; 30 per cent. Continental red seal is steady at about 26l. per ton; light resisting at about 28l.; and green seal at about 32l.

MANGANESE PEROXIDE.—A fair parcel of West African high-grade has been disposed of on the basis of 24l. per ton c.i.f. United Kingdom. The market is now very bare of supplies, with a continuous demand, especially from glass-makers.

OXALIC ACID is showing up much firmer, and holders of spot lots are now quoting in the region of 9d. per lb. This is a "key" product.

POTASH CAUSTIC remains sluggish, and the few spot lots offering can only be sold at a loss to holders; quoted at about 30l. to 31l. per ton. Lower figures for imported material for forward shipment are being received.

POTASSIUM BICHROMATE still finds but very few inquiries, with offers plentiful and easy at about 8½d. per lb.

POTASSIUM CARBONATE seems a little firmer, and is now averaging about 26l. to 28l. per ton.

POTASSIUM PERMANGANATE.—Commercial quality continues to be called for, and remain steady at about 11d. per lb. This is a "key" product.

POTASSIUM PRUSSATE is quite firm, although rather quiet. The red at 2s. to 2s. 3d. is scheduled as a "key"



product; yellow is not scheduled, and is quoted at about 1s. 2d. per lb.

SALTCAKE is a dead letter; the cheap quotations from Germany are neglected; spot lots are nominal at 6l. per ton f.o.b. in bulk.

SODA ASH (58 per cent. light alkali) on the spot is not being taken up at the quoted price of about 8l. 5s. to 8l. 10s. per ton f.o.b.; makers quote at about 8l. 10s. for home trade and 10l. 5s. for export.

SODA CRYSTALS are unchanged from makers at 7l. per ton ex works or station; a few small spot lots ex store offer at same figure.

SODIUM BICARBONATE.—Refined (not scheduled under Safeguarding of Industries Act) shows no improvement in demand; offers at about 12l. per ton.

SODIUM BICHRONATE continues dull, with values easy at about 6d. per lb. for parcels on the spot.

SODIUM CAUSTIC, ex makers' works for home trade only, continues steady at 26l. 15s. for 76 to 77 per cent., and 24l. 10s. for 70 to 72 per cent.; spot parcels are only in poor request at about 22l. 10s. for 70 to 72 per cent., and 25l. for 76 to 77 per cent.

SODIUM CHLORATE.—Crystals and powder are showing up a little firmer, but the market is still rather quiet at 3½d. to 4d. per lb. from makers and 4d. from holders of spot lots.

SODIUM CYANIDE remains unchanged and dull at 11½d. to 11¾d. per lb.

SODIUM HYPOSULPHITE.—Pea crystals remain rather quiet in demand from consumers, but a certain amount has changed hands, and prices are firmer, as the pea crystals are scheduled under the Safeguarding of Industries Act, at about 22l. per ton on the spot. Commercial crystals continue weak at about 14l. 10s. per ton, makers now quoting 18l. 10s. for photographic and 15l. for commercial.

SODIUM NITRATE (96 per cent.) has eased off slightly, and is now quoted at about 17l. 10s. to 18l. per ton; the market it still quiet.

SODIUM NITRITE can be had at the cheaper figure of 36l. per ton upwards.

SODIUM PRUSSATE appears to be firmer, with nothing offering below 7½d. either on the spot or from makers.

SODIUM SULPHIDE still uncalled for, spot lots nominally at 24l. per ton, some distressed lots perhaps cheaper; makers offer 60 to 65 per cent. concentrated in casks at about 22l. per ton.

TIN CRYSTALS remain steady, but quiet, at 1s. 5d. per lb.

ZINC PRODUCTS.—Zinc oxide from the Continent (red seal) is offered, c.i.f. London, at about 36l. per ton. British makers quoting white seal at 42l. 10s., green seal at 40l., and red seal at 38l., free on rail. Zinc dust, American and English 92 to 94 per cent., remains steady, but slack at 52l. 10s. per ton. Australian 88 to 92 per cent. is unchanged at 55l. per ton.

#### German Drug and Chemical Markets

A LEADING Hamburg wholesale drug-house prefaces its quotations in its market report, dated September 16, by remarking that "when travelling abroad, and on noting the utterances as well as the attitude of neutrals of those who are still quite irreconcilable, of people partly hostile and of others with a more forgiving disposition, the impression is gained that the Germans, as an important trading people and as commercial rivals, are regarded with a mixture of respect, hope and fear, and there is a conflict of opinion individually, as to whether they are welcome or unwelcome. The prospect of a revival of Germany in whatever shape, either commercial or military, is at the same time exciting and interesting. However, for almost everybody it is a practical necessity that Germany should recover commercially. The League of Nations is quite unpopular. The differences in temperament, conditions, and also the mental attitude of the various partners are too divergent. France is the source of the general unrest and state of tension existing throughout Central Europe. She impedes the recovery of everybody else as well as of herself. Her animosity shows contempt for all attempts at the restoration of peace and for any real love of peace. So long as spiteful diplomatic and military means of applying pressure are not superseded by negotiations undertaken by practical business men it is impossible to create an atmosphere of reciprocal understanding. The unsettled state and the nervousness prevailing on the exchange has affected our branch of trade. Not only have prices been very considerably ad-

vanced by manufacturers, but speculation is again being indulged in, a feature which had practically disappeared since the Kapp affair." The following quotations are in marks per kilo.:

ACETANILIDE.—Large orders have been placed by Great Britain, which cannot be filled. Consequently the price has advanced considerably, and it now fetches m.40, and for export m.43.

ACETIC ACID (glacial 98 to 100 per cent.).—Only small amounts have been in demand at m.16, and for export m.15; 80 per cent. is in normal demand at m.14, and for export m.11.50.

ANTIPIRYNE AND ANTIPIRYNE SUBSTITUTE.—Small amounts have changed hands at m.325.

ASPIRIN (genuine) for export is cheap at m.350.

BALSAM PERT.—Ph.G. has sold in small amounts at m.325.

BENZALDEHYDE (almost free from chlorine, for foodstuffs) is in brisk demand, and remains firm at m.40, and for export m.43, at which price it deserves attention.

BISMUTH SUBNITRATE has been in good demand by foreign buyers at m.290. The home price is m.280.

BORIC ACID has advanced considerably to m.24 for crystals and m.25 for scales and powder.

CAFFEINE.—Pure has changed hands only in small amounts at m.700.

CAFFEINE SALTS have been practically neglected at m.425.

CANTHARIDES.—Conflicting reports are coming in from the sources of collection, and it is still impossible to form a conclusion as to the result of the last crop. However, holders of stock are disinclined to sell, and are holding new goods for September-October delivery at m.300.

CASCARA SAGRADA is neglected at m.28.

CHROME ALUM is cheap at m.7.

CITRIC ACID continues in brisk demand at m.100, and for export m.95.

COUMARIN.—Manufacturers have advanced the price; it is offered at m.350.

CREAM OF TARTAR (98 to 100 per cent.) is practically unobtainable. Makers do not supply, and foreign countries are purchasing all available stocks. Advisable to buy at m.36, and for export m.38.

ERGOT.—In spite of the depreciation in the value of the mark the price has somewhat declined; offered at m.170.

FORMALDEHYDE (30 per cent.) is quoted at m.17.50, and for export m.21; 40 per cent. fetches m.25 for export.

GENTIAN is in brisk demand at m.16.

GLYCERIN.—Manufacturers have further advanced their prices. It is offered at m.32, and for export m.33, which is advantageous.

GUAIACOL CARBONATE.—Small stocks necessitate charging m.550, and for export m.575.

HELIOTROPINE has recently been in demand at m.325, and for export m.350.

HEXAMINE has been in demand at m.120, and for export m.125.

HYDRASTIS has advanced to m.900.

HYDROQUINONE has been neglected at m.125.

LYCOPodium.—Large supplies of genuine have now arrived, which have caused the price to drop, but local stocks are almost cleared. September delivery is offered, in lots of at least 100 kilos., at m.375, October delivery at m.360 per kilo., broken bulk at m.390.

MENTHOL, owing to the depreciation in the mark, has advanced to m.1.150 for orders of original cases, and for broken bulk m.1.200.

MILK-SUGAR has been in great demand, and the price has consequently advanced. It is still offered at m.27, and for export m.30.

OXALIC ACID, m.20, and for export m.22.

PHENOLPHTHALEIN.—The very considerable stocks have been gradually cleared owing to a regular demand at m.100, and for export m.110.

POTASSIUM BROMIDE.—Almost the entire local stocks have been purchased by foreign buyers at m.21.

POTASSIUM CHLORATE.—The entire local stocks, as well as almost the whole of Germany's output up to November, have been acquired by foreign purchasers, so that it is only possible to offer delivery in December at m.9.75 inclusive, in barrels, of 50 kilos.

POTASSIUM CHROMATE AND SODIUM CHROMATE.—Both are in great demand for export at m.18.

POTASSIUM METABISULPHITE.—Fine large crystals are offered at m.23, in barrels, for export.

POTASSIUM PERMANGANATE has been in brisk demand at m.26, and for export m.28.

POTASSIUM SULPHOGUAIACOLATE was in request at m.180.

PYRAMIDON, m.650, and for export m.750.

RESORCIN has been neglected, and is obtainable at m.200, and for export m.225.

SODIUM BROMIDE is m.20.

SODIUM SALICYLATE is scarce at m.55.





Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Safeguarding Chemical Industry

SIR,—In your article on safeguarding chemical industry (*C. & D.*, September 10, p. 46) you express the opinion that it should increase Canadian exports of certain pharmaceutical and technical chemicals, etc. I beg to point out that under the Safeguarding of Industries Act these goods will not come in free unless they are of Canadian manufacture, which, as regards some, is probably not the case. This is certainly the opinion of more than one importing merchant.

Yours faithfully,

MANUFACTURER (9/9).

#### "Dangerous" Drugs Prescriptions

SIR,—Permit me to suggest that in order to obviate the possibility of forged signatures on prescriptions coming under the Dangerous Drugs Act, doctors in the district in which the chemist resides should place a duplicate of their signature in a book kept by the chemist, so that he may be able to compare it with that on the prescription in the same way as the banks do for comparing signatures on cheques. By this means a great deal of trouble may be avoided.

Yours truly,

Ashley, New Milton.

A. M. SHARP.

SIR,—Referring to the suggestion of "Xrayser II." (*C. & D.*, September 17, p. 47) that one result of the Dangerous Drugs Act Regulations will be to increase the practice of dispensing by doctors themselves, I suggest that if chemists increase their dispensing-fees all round, as has been suggested, it will result in the doctors doing even more of their own dispensing. There is no getting away from the fact that most of the medical profession to-day are out for £ s. d.; they want both prescribing and dispensing—they do not consider the chemist at all. What we want, as chemists, is legislation to prevent doctors from doing their own dispensing (especially as regards all dangerous drugs), and if the Pharmaceutical Society only followed the example of the medical profession and educated the British public we might force the Government to legislate, through strong public opinion. What we all want is a clear-cut scheme, separating prescribing from dispensing—we want to prove to the mass that it is necessary for their protection, and for their good generally, and we should very soon win through. The Dangerous Drugs Act gives us a useful lever—will our Society take advantage of it?

Yours faithfully,

G. D. J. (19/9).

SIR,—The experience of a fortnight's working under the Dangerous Drugs Act Regulations may not be absolutely conclusive, but it affords a good criterion of the conditions under which we may expect to continue. After taking a careful note of the prescriptions that have come in, I find that the principal drugs in use are tr. opii, liq. morph. hyd., and diamorphin. hyd.; and although I have a fair dispensing connection, both retail and panel, up to the present none of the scripts has included these drugs in sufficient proportion to require registration. I therefore think that "Xrayser II.'s" suggestion, that all prescriptions containing these drugs in any proportion should be registered, is a mistake, as it would entail totally unnecessary work, and also it would be a mistake to approach the authorities on the subject, as the answer would obviously be that if it was the studied opinion of pharmacists that prescriptions including any amount of the scheduled drugs should be registered, then much more so should the Regulations apply to retail sales that are not controlled by the repeat clause. Therefore the percentage allowance would be done away with altogether, thus involving the inclusion under the Act of paregoric,

"all fours," and any proprietary or packed medicines at present free from restriction. The trouble as to the calculations required is, I think, less than appears at first sight, as the figures of the more frequently used preparations will speedily become memorised and the dispenser will see at a glance those scripts that are well under the margin, thus only requiring to calculate for doubtful and exceptional cases. For example, it is common to have scripts containing tr. opii 3j. or liq. morph. hyd. 5ij. to 3vj., and as the safety limit for these is mcvj. to 3j. it is plain that no calculation or registration is necessary.

Yours faithfully,

LIMITAS (19/9).

#### Poor-law Dispensers' Tenure of Office

SIR,—Referring to your paragraph in the *C. & D.*, September 3, p. 41, regarding Poor-law dispensers' tenure of office, may I be allowed to bring to your notice the fact that the General Consolidated Order of 1847, which applied to the Metropolitan and certain provincial unions, gives full security of tenure to certain officers? Section 187 states: "Every officer appointed under this Order shall continue to hold office until he die or resign," etc. That Order preceded the Metropolitan Dispensaries Order, 1871, and this provides that "all the provisions of the General Consolidated Order and all other Orders which relate to the appointment (viz., vacancies must be advertised, and appointments must be reported to the Board [now Ministry] for sanction), continuance in office, etc., shall apply to the dispenser." The Subordinate Officers (Workhouses) Order, 1867, states that the term "workhouse" shall include any school, infirmary, or hospital provided by the guardians, and that the dispenser is not a subordinate officer; further, the General Order (Subordinate Officers and Servants in Workhouses), August 19, 1867 (Article 2), allows guardians to appoint, remove, or discharge subordinate officers without the sanction of Whitehall. Article 3 says this shall not apply to (*inter alia*) the dispenser. "Union" (Article 6) includes any union or parish incorporated by any local Act of Parliament. "Guardian" shall include governors, managers, etc., and "workhouse" shall include every school, infirmary, or hospital provided by the guardians for the reception of paupers. The unions in the schedule include all those named in the schedule to the General Consolidated Order, 1847, and thirty-seven other unions and fifteen parishes (many others added since). In these circumstances I do not understand how any doubt can arise as to the Poor-law dispenser's tenure of office, or how he can be considered other than a principal officer and be granted other than "first-class rank." Perhaps it is because the Payment of Salaries Order, 1871, places the dispenser among the officers who are entitled to be paid by cheque. The gentleman who makes out the cheque, seeing the smallness of the amount, and comparing it with other subordinate officers' remuneration, assumes the poor dispenser is a "sub," and relegates him to a rank approximating to the salary—you generously mention "second class." A recent circular, Simplification of Administrative Work, M.O.H., No. 225, August 1921, mentions the dispenser among the principal officers. If regulations are in preparation with provisions contrary to the above Orders, cannot they be brought into the daylight so that the officers concerned may take steps to protect themselves before they wake up and find the regulations in operation? The Pharmaceutical Society should certainly use its best efforts to maintain and safeguard the existing status of the Poor-law dispenser. In the *C. & D.*, September 10, reference is made to dispensers under "public bodies"; there are so many public bodies that it is somewhat difficult to understand what is intended. To mention some: the County Councils have control of the mental hospitals, a good tenure is given under the Lunacy Acts, a much better treatment is accorded to officers under the Asylum Officers' superannuation scheme than is given to Poor-law officers (all Poor-law dispensers, of course, come under the Poor-law Officers' Superannuation Act). County Councils administer the Public Health Acts and deal with tuberculosis dispensaries and sanatoria. The Public Health (Officers)



Act, 1921, which comes in force on March 30, 1922, gives good tenure of office to these officers; probably the dispenser's welfare has not been safeguarded in this. The Post Office has at least one dispensary, and I think the pharmacist has a Civil Service status. The Admiralty treats the naval dispensers very well. The Home Office dispensers in the Prison Service I do not know much about at present, but (although, as you say, some M.O.'s ignore the "Dangerous" Regulations) I have read the D. D. A. (19/9).

### Legal Queries

*Ajax* (13/9).—The wording of the shop sign which you submit would, we think, be an infringement of the Apothecaries Act.

*J. C. B.* (13/9).—Nepenthe contains 0.84 per cent. of morphine (anhydrous), so that the dilution in the prescription you quote is outside the Dangerous Drugs Act.

*W. W.* (16/9).—The title "manufacturing chemist" is not protected in any way, but if used by an unqualified person in connection with a retail shop would constitute an infringement of the Pharmacy Acts.

*Thomas* (14/9).—The mixture for a cancer case, containing tr. opii mxxv. in ʒj., is not within the Dangerous Drugs Act limit, and can be dispensed without observing the formalities laid down in the Regulations.

*C. P.* (13/9).—The Army Council Order "Drugs for the Troops" came to an end last March. This Order, made under the Defence of the Realm Act, was not continued by the War Emergency Laws (Continuance) Act, and automatically ceased to have legal effect.

*W. H.* (19/9).—The preparations made from the formulas you submit are well outside the Dangerous Drugs Act, except that for chlorodyne, which cannot be sold retail if made of the strength given. Chlorodyne made from the formula in the B.P. 1885 is outside the Act.

*R. S. M.* (13/9).—(1) We think the formulas for "All Fours" given in the *C. & D.*, September 17, p. 51, meet the requirements of retail sale better than the proportions you suggest. (2) Dionin (ethyl morphine) is not a "dangerous" drug within the meaning of the Dangerous Drugs Act.

*Cyanide* (13/9).—The "safety" limit for morph. acet. in a mixture is  $1\frac{1}{2}$  gr. in ʒj. The conditions of the Pharmacy Act regarding dispensing must be carried out, but as the mixture is not a "dangerous" drug within the meaning of the Dangerous Drugs Act, the formalities laid down in the Regulations need not be carried out.

*H. R. D.* (9/9).—If proprietary rights are claimed in "known, admitted, and approved remedies," medicine-stamp duty will be incurred. The use of your name in the possessive case and the use of the words "prepared only by" are grounds of liability to duty. The price at which the article is sold has no bearing on the question.

*E. H. G.* (9/9).—(1) You will require to be licensed to sell "dangerous" drugs for export, and will also need an export licence for each consignment. The licences are now issued from the Home Office, and a charge of 2s. 6d. is made for each. (2) The importation of sodium salicylate is not prohibited, but on and after October 1 an import duty of  $33\frac{1}{2}$  per cent. will be charged on it as a fine chemical.

*H. R. C.* (17/9).—(1) A prescription in which equal parts of lin. saponis, lin. camph. co., and tr. opii are ordered as a liniment should be treated as outside the Regulations of the Dangerous Drugs Act, as tr. opii and lin. saponis are ordered in the proportions specified for lin. opii, an exempted preparation. (2) Sales of tr. opii should be entered in the Morphine Register, not in the Opium Register.

*J. E. T.* (16/9).—"Dangerous" drugs are by the Dangerous Drugs Act cocaine, ecgonine, diamorphine, and morphine, and medicinal opium and preparations which

contain them in certain proportions. If the amount of the drug is below the proportion laid down in the Act, the preparation is no longer a "dangerous" drug, and the Regulations made under the Dangerous Drugs Act do not apply. The requirements of the Pharmacy Act must, however, be carried out in the case of poisons within the meaning of the Pharmacy Act.

*J. P. M.* (16/9).—(1) The place-name "pharmacy" is not protected in Great Britain; hence persons who are not qualified chemists employ the term without infringing the Pharmacy Acts. You will notice that in the reply we gave you in the *C. & D.*, September 3, we used the expression "business of a chemist and druggist," and we gave you a correct answer to your question. (2) Limited companies can carry on the business of a chemist and druggist if they conform to the requirements of the Poisons and Pharmacy Act. (3) Copies of the Pharmacy Acts can be obtained from the Stationery Office, Kingsway, London, W.C.

*B. S.* (13/9).—SALE OF DILUTED LAUDANUM.—It is perfectly legal to sell laudanum diluted below the minimum strength laid down in the Dangerous Drugs Act, but the Pharmacy Act conditions must still be observed. Some people, who have not apparently followed the controversy very closely, refer to the sale of diluted laudanum as "evading the Act," being probably unaware that this procedure is suggested by the Home Office as a way of meeting the demands of persons who are not authorised to be in possession of "dangerous" drugs. The following extracts from the report of the Departmental Committee will show you that the sale of diluted laudanum is contemplated by the authorities:

... As regards tinct. opii (laudanum), the President of the Royal Veterinary College stated, and it was generally admitted, that it is never, or need never be administered except in strengths outside the Act. ... In other cases, having regard to the very small quantity required to be kept in stock, we do not think any inconvenience would be caused by the stock-owner having to purchase the drug in the diluted form in which he actually uses it, and to which the Regulations do not apply.

The Home Office, in their instructions to the police in regard to the issue of laudanum certificates to farmers, suggest that small users need not be granted certificates, but should buy their laudanum diluted.

## Retrospect of Fifty Years Ago

Reprinted from, "The Chemist and Druggist," September 15, 1871

### Homœopathic Chemists

The homœopathists have at last gone too far. They have sprinkled their believers about in all the influential professions of the country, and the present decay of Great Britain is possibly due to the working of the leaven of their pernicious doctrines. Believers in globules are to be found in Parliament, in the Church, in the Army, Navy, and Volunteers, on the Bench and at the Bar. It is not unlikely that some of them are in heaven; but this question is now under investigation, and we shall not anticipate the revelations of psychic force. But Hahnemann, like Haman, has now met with a Mordecai who will not bow to him. "His steps are not upon our paths, our fields are not a spoil for him." The gates of the pharmaceutical Paradise will not open to the pleading Peri who stands without. At the last meeting of the Pharmaceutical Council two homœopathic chemists were proposed for membership, and by six votes to five they were rejected on account of their homœopathy. We print elsewhere the report of the discussion which took place concerning these two gentlemen, from which it will be seen that a chief objection to their election seemed to be that an element of discord might be introduced thereby. It would certainly be a pity to disturb the perfect harmony which has hitherto existed, on the poison question for instance, but one can hardly recognise the wisdom—not to mention the justice—of the ostrich-like proceeding of burying one's head in the accumulated sandheap of our own formulæ, and refusing to acknowledge even the existence of any other sandheap.



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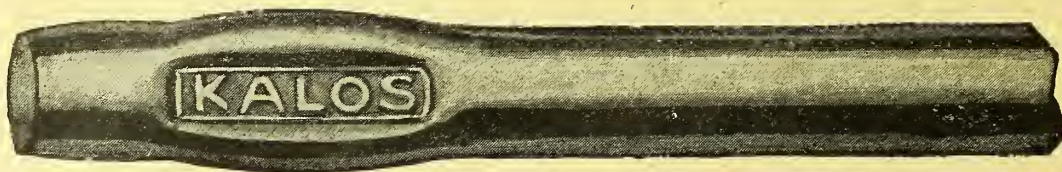
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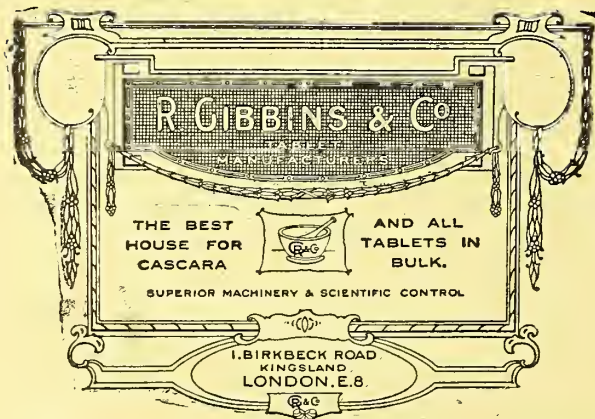
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**AND DOES NOT REQUIRE  
PURCHASER'S SIGNATURE.**

**A. P. TOWLE & SON**

75 Back Piccadilly, MANCHESTER.

**Seven Spas  
Soap**

For all Rheumatic Complaints.  
*Recommended by the Medical Profession.*  
Sold by all Stores and Chemists.

Price 1s. 6d.

Seven Spas Proprietary Co., Ltd.  
3-9 Heddon Street - Regent Street, W. 1.

Messrs. BUTLER & CRISPE,  
80-82 Clerkenwell Road, London, E.C. 1,  
Sole Wholesale Agents.



# Dr. Cassell's Tablets

AND

# GERMOLENE

**The Aseptic Skin Dressing**

*Is Your Service Complete ?*

We are spending thousands on Dr. Cassell's Tablets and Germolene publicity, and, as you well know, the results are justifying the outlay.

Both are fine specifics, both sell at sight because the public have discovered their merits. But in themselves they are not quite complete. As we scarcely need point out, most nervous sufferers need a corrective for the liver, stomach and bowels, and all skin disorders arising from blood impurity need internal treatment.

Therefore, to make your service complete, you should stock **Dr. Cassell's Instant Relief** and **Germolets**, the companion remedies to Dr. Cassell's Tablets and Germolene.

Do not suppose that we shall ask you to do all the pushing. By now you know that we are not afraid to back our goods with big publicity. We shall help you, and we intend to make these remedies successful.

<b>Prices :</b>	Small Size (1/3 retail)	12/5 per doz.	} Cash Discount
	Large Size (3/- retail)	30/- „	

**WINDOW SHOWS.**—For displaying showcards we allow an additional 5 %, and you then get the full benefit of our general advertising. With £100 parcels the cash discount is 5 % in addition to the 5 % for the display.

**ALL GOODS CARRIAGE PAID TO DESTINATION, IN FREE BOXES.**

*Sole Manufacturers and Proprietors—*

## The VENO DRUG Co., Ltd.

Manufacturing Chemists,

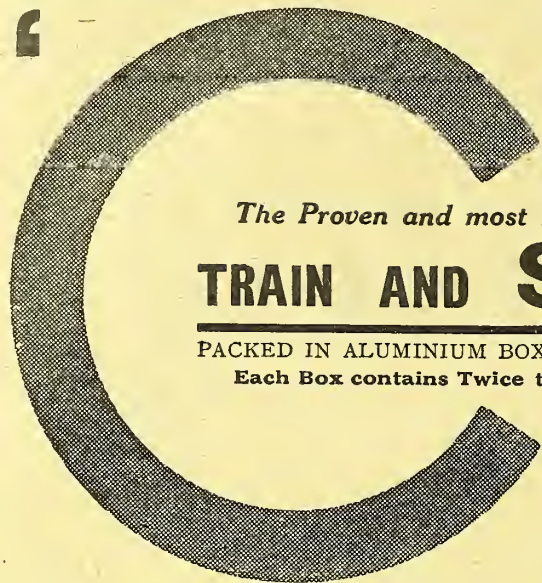
**MANCHESTER - ENGLAND.**

Telegrams : "Seaweed Manchester."

Telephone : 422 Trafford Park.



BUYING AGENTS Required in all Parts of the World.



**CURE.**

*The Proven and most Reliable Preventive and Cure for*  
**TRAIN AND SEA SICKNESSES**

PACKED IN ALUMINIUM BOXES ENCLOSED IN DECORATED CARTONS

Each Box contains Twice the value of any other similar Remedy.

Large Size - 8/- - per Box.  
(Enough for Four Journeys)

Small Size - 4/- - per Box.  
(Enough for Two Journeys)

Liberal Discounts to Wholesale and Shipping.

APPLY:

**'C. CURE' Ltd., 111-113 Great Portland St., London, W.1**

Phone: 4510 Mayfair.

Correspondence in All Languages.

Telegrams: "Cecurio, Wesdo, London."

THE

**GREAT & STEADILY  
GROWING DEMAND**

FOR

**"ALEXINE"**

**THE NATIONAL FRENCH REMEDY**

IS DUE LARGELY TO THE REMARKABLE extent to which nerve specialists and general practitioners are prescribing it. "ALEXINE" is being brought forcibly to their notice as the true nerve-cell nutrient and remedy by persistent advertising in the big-circulation papers. You are certain to be asked for it. "ALEXINE" is manufactured in France to the secret formulæ of Dr. Joulie.

SOLE BRITISH AGENTS—

**HEPPELS, 164 Piccadilly, W. 1.**

Write to-day for generous trade terms. "Alexine" retails readily and steadily at 5s. and 10s. a bottle. Counter Literature supplied gratis. Send a postcard now.

SYRUP

**ROBORANS**

(ROBERTS)

Recognised by the Medical Profession as

**THE BEST TONIC.**

Supplied in 8-oz. and 16-oz. Bottles by all the Wholesale Houses.

*Inquiries Invited for*  
**NEW & RARE  
MEDICINES**

*of French, Italian and Russian Origin.*

**ROBERTS & CO.,**

76 New Bond Street,  
London, W.

5 Rue de la Paix,  
Paris.



# QUALITY PREDOMINATES

WITH the help of our advertising you have to sell these products the first time only. The second and each successive sale is assured by the quality of the goods themselves. Never be out of stock of these quick-selling, rapidly moving lines. Recommend them with confidence and remember—*every sale means a pleased and satisfied customer.*

## REUDEL BATH SALTRATES AND ALKIA SALTRATES

THE BATH PREPARATION PAR EXCELLENCE, cures Corns and all Foot Troubles permanently, stops Rheumatic or other aches and pains within ten minutes.

The acme of perfection in Salines. Unrivalled for Liver, Kidney, Stomach, Blood and Intestinal Disorders.

Sells at 2/- and 3/3 (P.A.T.A.)

Sells at 3/3 a large bottle (P.A.T.A.)

These products simply will not stay on the shelf.

## SOME TRULY REMARKABLE TESTIMONY FROM CHEMISTS

READ THESE LETTERS IN SEQUENCE:

**CHARLES ROBERTSON**  
CHEMIST AND PHOTOGRAPHIC DEALER,  
115, Market Street, ST. ANDREWS.  
Telephone—Shop No 173. House No 173a. Night Bell.

Feb. 9th

Saltrates, Ltd.,  
214 Great Portland Street,  
London, W., 1.

Dear Sirs,

Please send enclosed order carriage paid.

Reudel is very restless. I have difficulty in keeping it on the shelf.

This may interest you:— At the same time I received an order for Reudel by post yesterday, I had a customer at my counter calling for a second packet. A few moments after, another customer called for 2/9 Alkia.

In less than a quarter of an hour I had realised 2/1 profit, from your advertising. Very interesting, that, isn't it? I am always interested in results from advertising, being a keen believer in printers ink.

Yours very truly,  
*Charles Robertson*

**A.W. CORNISH, M.P.S.**  
THE PEOPLE'S CHEMIST  
The Oxford Pharmacy 188 Lower Ashley Rd.  
BRISTOL

April 24th.

Messrs Saltrates Ltd.,  
212/214, Gt Portland St.,  
London. W.1.

Dear Sirs:— I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat. In my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

2/- Reudel Bath Saltrates	) All in
3/3 Alkia Saltrates	) five
2/- Reudel Bath Saltrates	) minute
3/3 " "	) or so.

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold out". But your preparations are always good sellers with me.

I thought the foregoing would interest you, and it is absolutely authentic, as my Lady Assistant can witness. If the "Tale wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Mr Robertson's "Netty phrase fill up with "restless" goods, which are restless to the point of removal for "Cash Till Food".

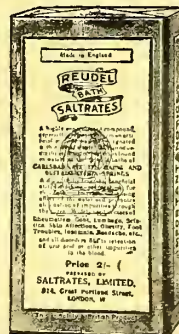
With compliments,  
Yours faithfully, *A.W. Cornish*

Note.—The above statements were sent to us without solicitation of any kind.



YOU can stock these goods on Guaranteed Sale Terms. Carriage Paid in United Kingdom on orders for 3 dozen and over, which may be assorted. Special Terms for Window and Counter Display.

**SALTRATES LIMITED**  
214 Great Portland Street, LONDON, W. 1.





# Clarke's Blood Mixture and Other Preparations

## WHOLESALE PRICES.

	Sizes	Price per dozen
Clarke's Blood Mixture ....	3/- & 12/-	£1-7-0 & £5-8-0
„ Miraculous Salve ....	1/3, 3/- & 5/-	11/-, £1-7-0 & £2-4-6
„ Special Aperient Pills	1/3, 3/- & 5/-	11/-, £1-7-0 & £2-4-6
„ Patent Skin Lotion....	1/3	11/-
„ Medicated Soap ....	1/-	9/-

Orders : Minimum quantity £16-4-0 value. Carriage paid upon orders of £100.

Minimum Retail (Face Value 1/-, 1/3, 3/-, 5/-, and 12/-, giving a profit of 33 $\frac{1}{3}$ % on cost to  
Selling Prices (Distributors. An attractive Showcard forwarded on application. Sole Proprietors :

**THE LINCOLN & MIDLAND COUNTIES DRUG COMPANY, LIMITED**  
Park Street, LINCOLN.

# Florozone Inhaler

A most effective Chloride of Ammonium  
Inhaler in cases of Nasal Catarrh, Colds,  
Coughs, Chest Complaints, Whooping Cough,  
Diphtheria, Hay Fever, etc., and Asthma.

Booklet on application to the Sole Proprietors  
and Patentees—

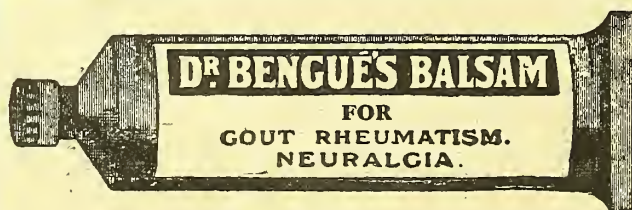
**HERTZ & CO., 9 Mincing Lane, E.C.3**  
Established 1878.

Phone: 10607 Central. Telegrams: "Freshness London." [5]

## The House for French Pharmaceutical Preparations

Telegrams— "Ampsalvas London." **THE ANGLO-FRENCH DRUG CO., Ltd.** Telephone—  
Museum 4029.  
**238a Gray's Inn Road, LONDON, W.C. 1.**

Branches—PARIS, BRUSSELS, NEW YORK, MONTREAL, CAPE TOWN, SYDNEY, BOMBAY, CALCUTTA.



Ask for Special  
Terms and Showcards  
for Dr. Bengué's Balsam.

**Dr. Bengué's Ethyl Chloride**  
for Local and General Anaesthesia,  
in Glass and Metal tubes.

*Large selection of tubes.*

Anestile for Local Anaesthesia.

Narcotile for General „

Methyl Chloride.

**Dr. BENGUÉ & CO., Mfg. Chemists, 52 Charlotte St., LONDON, W.1.**



**Winter Ahead.** Doan's big advertising campaign commences on October 1st. This will increase the usual seasonal demand and assist the sale of Doan's Backache Kidney Pills. Are your supplies sufficient for this time of year?

**There's no Dead Stock.** We guarantee to exchange or refund in full for unsold or damaged goods returned to us.

P.A.T.A. prices:				Ireland		
				Channel Isles and Isle of Man.		
	Per dozen in 6-dozen lots	In less than 6-dozen lots	Minimum retail prices	Per dozen in 6-dozen lots	In less than 6-dozen lots	Minimum retail prices
<i>Doan's Backache Kidney Pills</i>	26/0	29/0	3/0	23/6	26/3	2/9
<i>Doan's Ointment</i>	26/0	29/0	3/0	23/6	26/3	2/9
<i>Bilax</i>	10/9	12/0	1/3	10/6	11/9	1/3

Carriage Paid. Accounts Net. Payments due last day of following month. For assorted lots best prices are allowed on orders amounting to £7 : 16 : 0 (Ireland, Channel Isles and Isle of Man, £7 : 1 : 0).

**Foster-McClellan Co.** Manufacturing Chemists,  
8 Wells Street, Oxford Street, London, W.1.



# Francis F. Fox & Co.: Bristol

**LINSEED OIL. TURPENTINE.**  
**FINE OLIVE OILS.**  
**LIQUID PARAFFIN. CASTOR OIL.**  
**CHEMICALS. DRY SALTERY.**  
**PETROLEUM JELLY.**  
**CRUSHED LINSEED.**

PRICES ON APPLICATION.

TELEGRAMS—  
"FOX BRISTOL."

TELEPHONE—  
19 BRISTOL

## *Pack with Security.*

**QUEBEC 'WOOD WOOL' COMPANY**  
WOOD WOOL and WOOD WOOL ROPE

WRITE for Samples and Prices of our Three Grades:  
COARSE, MEDIUM and FINE.

WE GUARANTEE Prompt Delivery, Actual  
Weight, and Dry.

100 TONS always in stock at Quebec Wharf.

Also all sizes of the "DOMINION" WIRE NAIL,  
IRON WOOD SCREWS and TACKS.

Proprietors—**ERIC MORTON & CO.**  
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Telephones: LONDON WALL 154 & 2989.

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### **HOUSEHOLD PAINTS**

(Side lines which are profitable to Chemists) and make  
a satisfied Customer every time.

In 1, 2, 7, 14-lb. Lever Tins, attractively packed with your  
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"Quality Paints," something rather different than "others."

Reliable Oak Varnishes, packed in Pint Tins.

L.H.C. WATER PAINTS (Lines worth Pushing.)

Write to-day for Tint Cards and Particulars—

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Paint and Varnish Mfrs., DARWEN.

**TUCKER & CROSS**  
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WE SPECIALISE IN  
**FRENCH** GROUND NUT OIL  
 (EMULSIFIABLE)  
 CASTOR OIL, PHARM.  
 WATER-WHITE

WEST INDIAN TAMARINDS. 2½ cwt, barrels.  
STOCKS IN LONDON. SAMPLES AND PRICES ON REQUEST.

Barrels 3½ cwt.  
Tins and Cases  
of 40 kilos, ea.

**Alcohol for Industrial Purposes**  
**Duty-Free Spirit.**

*The Industrial Spirit Supply Company, Limited.*

Agents: HONEYWILL BROS., 79 MARK LANE, LONDON, E.C.3.

# Langley-Smith & Co.

Castor Oils, *Medicinal,  
Lubricating.*

Colza Oils, *Best Pure,  
Prepared.*

Linseed Oils,

*Best Raw,  
Double Boiled.  
Refined.*

**LUBRICATING OILS**  
All Grades.

Turpentines,

*Best Pure Spirits.*

Substitutes,

*Best Grades.*

*Samples and Prices on Application.*

**14-20 St. Mary Axe  
London, E.C. 3.**

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Tel. No.—Avenue 3820.

Genuine Russian

**LIQUID PARAFFIN**

All gravities, correct viscosities

"Jasmine Brand"

**ADEPS LANÆ**

Lanoline

Superfine  
Anhydr.  
and Hydrous

"Jasmine Brand"

**PETROLEUM JELLIES**

White and Yellow

"Jasmine Brand"

**WHITE OILS**

Chem. Pure, Water-white,  
Tasteless, Odourless

FOR MANUFACTURING PURPOSES

ALSO TRANSFORMER & INSULATING OILS.

**The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.**

**3 St. Helen's Place, LONDON, E.C. 3.**

Actual Refiners and Manufacturers at their Works near London.

B.P.

1914

Finest Qualities

Competitive

Prices.



# MALT EXTRACT

*We  
Specialise  
in*

# MALT EXTRACT WITH COD LIVER OIL

PREPARED UNDER IDEAL CONDITIONS FROM FINEST QUALITY MATERIALS  
SUPPLIED IN SPECIALLY ATTRACTIVE CONTAINERS WITH CUSTOMER'S OWN NAME & ADDRESS

YOU CANNOT BUY BETTER.

**JEFFREYS, MILLER & CO., LTD.,**  
Leyland Mills, WIGAN.

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)  
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

**ALL CHEMISTS  
SHOULD STOCK**

**ABDINE**

*THE GOLD MEDAL FRUIT DRINK.*

Quick Seller. Big Profits. Over 40 years' Reputation.  
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.  
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DUNCAN MCGILSHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH

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## Saint-Raphael

**Tonic, Restorative,  
Digestive Wine.**

Known throughout the World,  
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**ANÆMIA, DEBILITY, and CON-  
VALESCENCE, to Young Women,  
Children and the Aged.**

DOSE: One wine-glass after the  
two principal meals.

Recommended by—  
PROF. BOUCHARDAT, Professor of Hy-  
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"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie, Roston, Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolles, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

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Cie du VIN SAINT RAPHAEL, Valence, Drome,  
FRANCE.

**To be obtained from all  
Wholesale Druggists.**

DR. HALE'S  
**VIN-SANGUIS**  
WINE FOR THE BLOOD

## Fountain of Health

If you have a  
Wine License we  
will pay the fee.

If not, get one,  
we will pay  
license.

Send for any

You agree to display  
"Vin Sanguis" always.

You give us an  
agreed initial order.

You always keep stock

further particulars



PROPRIETORS OF  
DR. HALE'S VIN-SANGUIS

**Transcontinental Agencies Ltd.**  
14, Southampton St., London, W.C.2.





# Brand's Essence

of BEEF, MUTTON or CHICKEN  
**ESSENTIAL IN THE SICK ROOM**

*Sold by all Chemists and Stores.*

**BRAND & Co., Ltd.**  
Mayfair Works, Vauxhall, London, S.W.8.  
**MAKERS of the ORIGINAL A1 THICK SAUCE.**

# "Semprolia" Snow

TRADE  
MARK

**E**XTENSIVELY advertised, and  
packed in dainty Opal Jars and  
artistic Cartons.

We are receiving numerous applica-  
tions for Free Samples from our  
advertisements, and you will certainly  
be asked for this preparation.

**Have you a supply ready to  
meet the demand?**

*Write for our Special  
Window Display Offer.*

**The Wm. Browning Co., Ltd.**  
ALBERT STREET,  
PARK STREET,  
LONDON, N.W.1



# VITMAR

*The new vitalising food  
proved to contain the  
three principal vitamins*

**YOUR WHOLESALEERS CAN SUPPLY YOU**

*Manufacturers:* Food Specialists,  
**CALLARD & CO., 74 Regent St., LONDON, W.1.**

# Watch: "NuVita"

"NuVita" begins a new era in Digestive Biscuits.  
Its composition is based on the latest discoveries  
of medical science. Its wonderful effects are  
bringing it daily into greater and greater demand.  
*Lancet* says:—"Useful in a number of conditions."

**THE**

## New and Wonderful Digestive Biscuit

The merits of "NuVita" are now being brought to  
the notice of the public by professional recommen-  
dation and by advertising. Be prepared!

*Write for trade terms and full particulars.*  
**Kingston Cake Bakery, GLASGOW.**

# Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

Grade A. STRENGTH 16.5°-17° Abs. Alc.

Grade B. " 18°-19° Abs. Alc.

## James V. Oldham

19 St. Dunstan's Hill, London, E.C.3.

Telephone: Avenue 3013.

# In Daily Demand for CONSTIPATION.

A prominent physician writes:—"Osmos" has worked wonders with  
a patient suffering from Chronic Constipation." Make a point of  
putting "Osmos" in the window now and then. It will pay you well.

# Osmos

The Great British  
Aperient Water

Trade Terms ... 22/- per dozen bottles, carriage paid.  
Retail ... 2/6 per bottle (P.A.T.A.)

Osmos, Crown Wharf, Hayes, Middlesex. (1)





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## SPECIALITIES

*with your name and address on label.*

Contracts are now being booked for

# MALT EXTRACT

## MALT EXT. with COD LIVER OIL

Guaranteed 15% B.P.C. and N.H.I. standards.  
In bulk, bottles, or other containers.

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**CITY OFFICE :**

**9 Holborn Viaduct, London, E.C.1.**

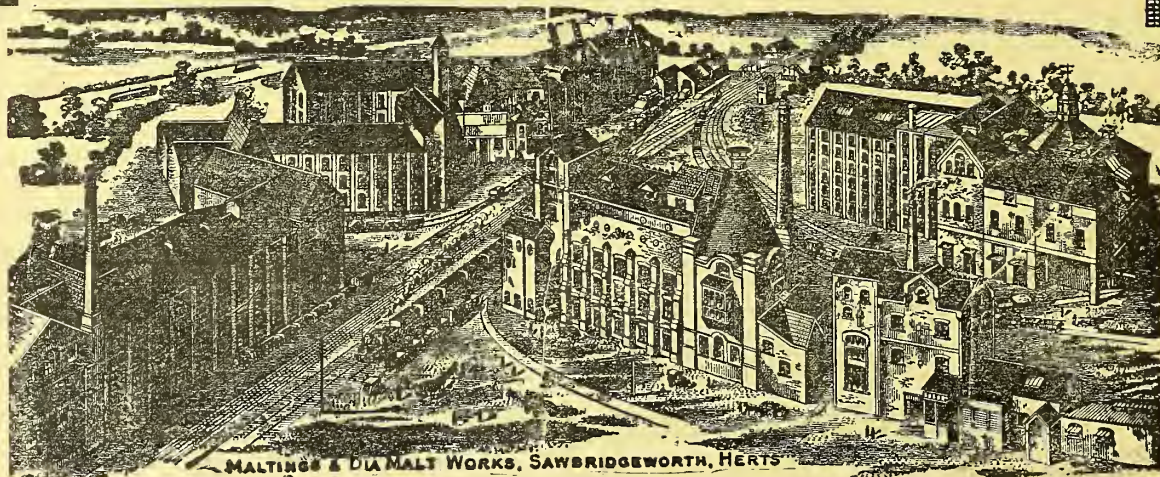
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Phone : No. 21.

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## "Which do you recommend?"

How often is this question asked the pharmacist in connection with Infants' Food? Answer it by supplying your own proprietary Infants' Food and you secure the repeated custom of your patrons.

### Remember :

- in concentrating on **your OWN Infants' Food** you
- Make **BETTER PROFITS.**
- Secure your customers, because your Food will become a **REGULAR SALE.**
- Have the satisfaction of handling your own proprietary Infants' Food stamped with **YOUR OWN NAME.**
- Your Infants' Food Sales will lead to the sale of **OTHER MEDICAL REQUISITES.**

**We offer you a complete Sales Scheme.**

*We supply our customers with showcards, dummies and literature printed with their own name. Our Food is your proprietary article in your district.*

The Best Malted Food on the Market is supplied by

# George King & Co.

*The Oatmeal People*

Albion Food Mills,

**1 & 2 Sycamore Street, London, E.C. 1.**



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## THE "EMPIRE" BRAND

If you wish to keep up your reputation for reliable quality, you must continue to stock our **"EMPIRE"** brand of **Hot-Water Bottles**. Do not risk trying an unknown make.

One quality only—the Best. Guaranteed for two years. Prices as follows:

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	3/9	4/2	4/6	4/9	5/3	5/9	6/-	6/6

Each Bottle in a strong paper bag, with directions for use.

## HOT-WATER BOTTLE COVERS. Scarlet or Grey Plush.

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	1/5	1/8	1/10	2/-	2/2	2/8	2/10	3/3

## MUFF WARMER. Drab Rubber, 4×6 in. Each 2/-

A discount of 5 % for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

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91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

ESTABLISHED 1839

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We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL ...	10/6	15/6	17/6
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Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.  
SPECIAL QUOTATIONS FOR QUANTITIES.

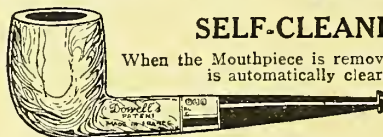
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## DOWELL'S PATENT HEALTH PIPES.

### SELF-CLEANER.



When the Mouthpiece is removed all foulness is automatically cleared.

Assorted Shapes and Sizes to sell at 3/6 each.

Send postcard for sample dozen.

## HARWOOD BROTHERS

Est. 1898. Manufacturers of Briar Pipes and Smokers' Articles,  
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India Rubber Manufacturers,

Surgical, Chemical, Domestic Articles, Syringes,  
Water Beds, etc.



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Chemical and Experimental  
Glass Blower and Thermometer  
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1347-8-9.

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AND

**GLASGOW**  
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SHEETS**

*DELIVERY FROM STOCK*

SPECIAL SIZES  
MADE TO ORDER  
& DESPATCHED  
PER RETURN.

**ACCOUCHEMENT  
OUTFITS**

COMPLETE IN  
EVERY DETAIL.  
MADE IN BEST  
MATERIALS.

***PERFECTUM  
SERIES***

**JACONET  
PILCHES**

HYGIENIC  
AND  
COMFORTABLE

**ABSORBENT  
WOOL  
NAPKINETTES**

ALL SIZES  
IN STOCK.

***LONDON MADE—IN OUR OWN FACTORY.***



Goods Right

Service Right

Prices Right

**FORD, COOK & CO., LTD.**

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PROPRIETORS OF THE

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**"INGOT"**

Registered Trade Mark

SERIES OF

Surgical Dressings, Infant and Invalid Requisites, Chemists' Sundries, Toilet and Fancy Goods.



## "NORVIC" CRÉPE BANDAGE

(REGD)



SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

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LONDON BUYERS CAN OBTAIN SAMPLES AND PRICES FROM MR. T. EASTAWAY, 22 PHILPOT LANE, E.C.3.  
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THE ORIGINAL

4/6



BLACK or

PER DOZ.

BROWN.



PAROUBEK'S  
"FOLDO"  
LACING

FINGER STALLS

SELF-ADJUSTING TO COVER BANDAGE.

AVOID IMITATIONS.

See the word PAROUBEK on every card.

From all Wholesalers or direct from Sole Agents—

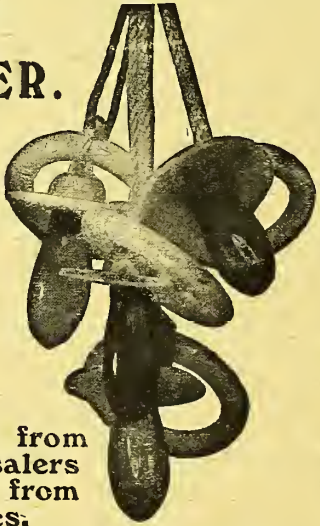
SOLPORT BROTHERS, Ltd.

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## The "EVERSAFE"

### BABY PACIFIER.

*Patented  
Everywhere.*



**Present rates:—**

No.	
2	4d. line 2/9 doz
2C	6d. „ 3/2 „
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Obtainable from  
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Sample Order, Three Dozen Assorted:  
*Send 10/6, post free.*

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say that rigid foot-plates are  
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Tired Feet and Weak Insteps

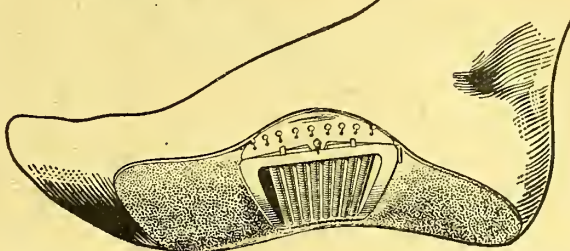
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MADE BY  
**SALMON ODY, LIMITED**

(Established 120 years),

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BRITISH MADE  
THROUGHOUT.



Ordinary 15/6 per pair.

Metatarsal 18/6 per pair.

Write for Descriptive Circular.  
TRADE TERMS ON APPLICATION.



### PAIN JUST THERE

can be instantly relieved and  
permanently corrected by the  
use of Dr. Scholl's Anterior  
Metatarsal Arch Supports,  
which are specially constructed  
to relieve and correct ailments  
at the ball of the foot.

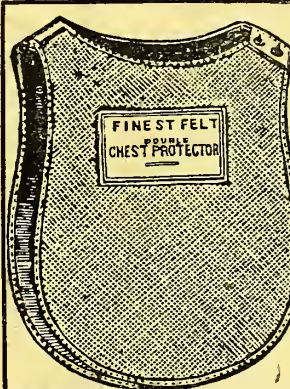
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is being widely advertised in all  
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Write to-day for Illustrated Catalogue.

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WE GUARANTEE  
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Send your inquiries for  
Chest Protectors, Abdominal  
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to the Actual Makers—

**A. B. FROST & CO.**  
Surgical Hosiery Works  
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Established 35 Years. (1)

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## Boracic Socks

Fixed Selling Price, 6d. per pair.

Cost, 4/- per dozen.

Six dozen lots, 46/- per gross.

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## TOMPKINS' CORNER HOT WATER Bottles and Covers. Best British Make.



WRITE NOW—A postcard will bring you FULL  
and REDUCED Prices for coming season. THE  
HOUSE for all kinds of SURGICAL RUBBER  
GOODS for over 44 years.

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The Rubber House, 386 City Road, LONDON, E.C.1  
Estab. 1877. ALL-BRITISH FIRM. Phone: City 7640.



# Collapsible Tubes



Now is the time to Buy your  
Equipment for this year.

**TIN IS CHEAP  
DEMAND IS SLACK  
LABOUR IS DEAR**

Our Works are equipped with the latest labour-  
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**PRICES ARE MODERATE.**

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**I**T costs no more to buy  
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costs more in the long run. If  
you need printed matter that  
is distinctive yet economical,  
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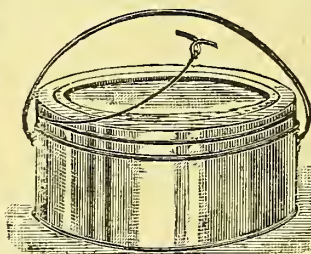
**PENDLETON  
MANCHESTER**

(5)

## The Northern Tin Canister Works,

6 Mersey Street,  
**LIVERPOOL.**

**Manufacturers  
for the  
Chemical Trade.**



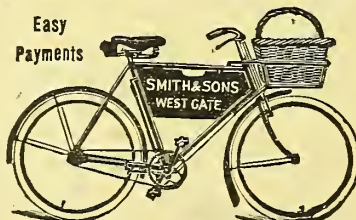
*Patent Air Tight Slip-lid Tin  
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**TIGHT SEAMING &  
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A SPECIALITY.**

*Prompt Deliveries Assured.*

**The finest investment you can have, for the  
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Easy  
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**DUNLOP  
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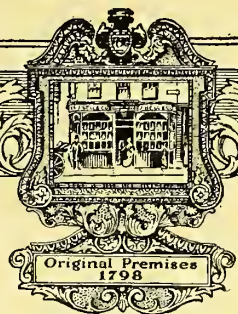
**TWO STRONG  
BRAKES**

**WHEELS  
26 x 1 1/2**

*WRITE FOR LIST*

**MOHAWK CYCLE CO., LTD.,**  
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## STERILIZED

# ACCOUCHEMENT OUTFITS.

These Outfits contain sufficient dressings, etc., for the accouchement.

THE "MARYLEBONE" OUTFITS are always "GOOD STOCK" as the contents cannot deteriorate or become soiled, and sterility is maintained.

### Retail Prices :

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**31/6**

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**63/-**

*Trade Terms and descriptive literature on application.*

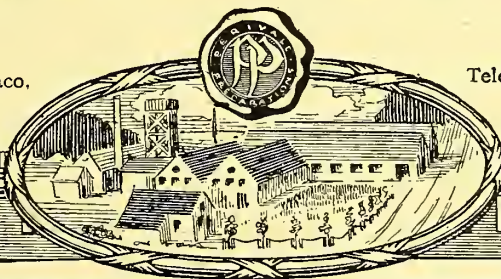
IT WILL PAY the Pharmacist to hold stocks of these outfits. A large demand is being created by means of an intensive Press campaign.

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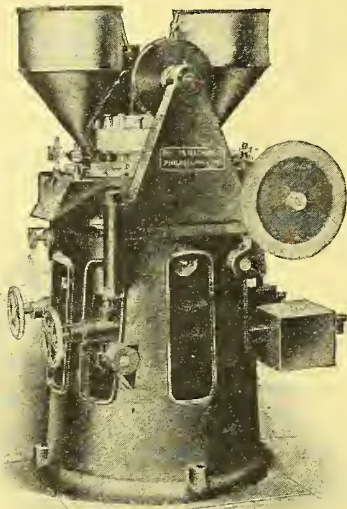
Telegrams : "Croybelaco,  
Wesdo, London."

Telephone : Mayfair 5015  
(4 lines.)





# A SUPER - DREADNOUGHT



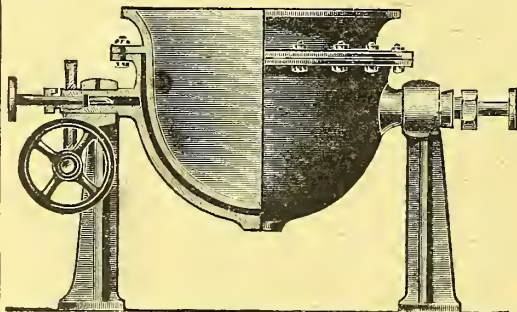
**STOKES' "DD" ROTARY**  
compresses tablets up to  $1\frac{1}{4}$ " diameter at the rate of 500 per minute, or 700 of 1" diameter. All adjustments for weight and pressure are made without the use of spanners.

*Delivery from Stock.*

FULL PARTICULARS FROM—  
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Sole Agents: F. J. STOKES MACHINE CO.  
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Telephone: Royal 2060. Telegrams: "Sanitas Liverpool."

## ENAMELLED IRON APPARATUS



Suitable for all Temperatures and Pressures

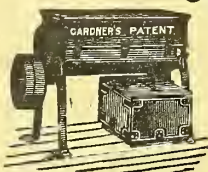
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Suppliers before the War to the largest European  
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Write for Price List to Sole Representative:  
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Telep.: Regent 2460.

GARDNER'S PATENT

### "RAPID" SIFTERS & MIXERS



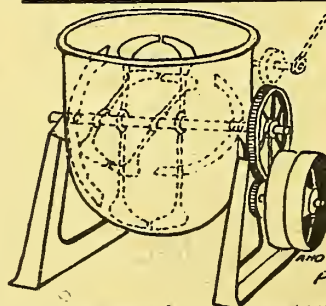
**OVER 6,000** working in  
almost every Trade where  
POWDERS are Sifted and  
Mixed and Lumps Re-  
duced, all being done at  
one operation and with-  
out loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

**WM. GARDNER & SONS, Engineers, GLOUCESTER**

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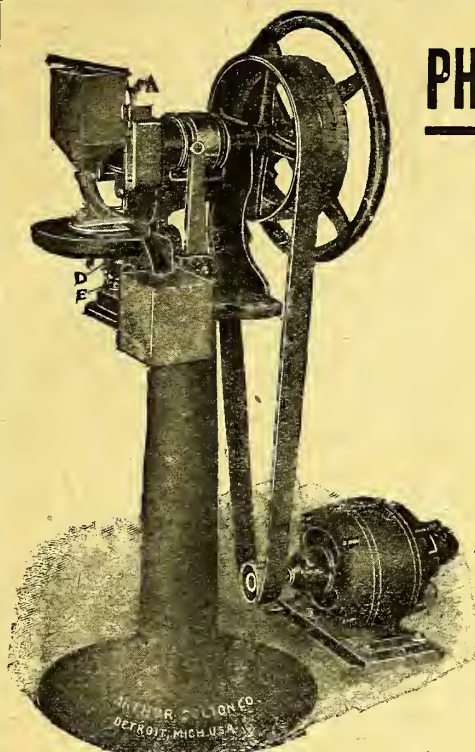
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FROM  
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**LIGHTNING MIXING  
RAPID EXHAUST  
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LIQUIDS.**

PLAIN, JACKETED,  
AND TIPPING MACHINES  
POWER AND HAND.

**ROWLANDSON (ENGINEERS) LTD**  
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No. 2B TABLET MACHINE.

## PHARMACEUTICAL MACHINERY.

**EFFICIENCY  
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are the three most important points  
to bear in mind when you are pur-  
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if you obtain from

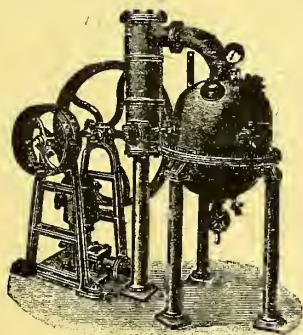
**THE ARTHUR COLTON CO.,  
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Manufacturers of up-to-date Pill and  
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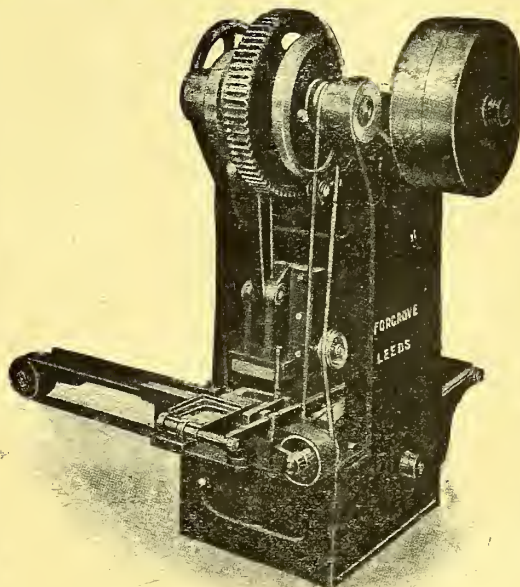
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**STILLS, VACUUM STILLS, VACUUM PANS.  
EVAPORATING PANS.  
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SPECIAL APPARATUS AND PLANT  
FOR MANUFACTURING CHEMISTS.**

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43 & 44 Shoe Lane, LONDON, E.C.4.



**SOAP STAMPING MACHINES.**  
Output, 50 pieces per minute.

**THE FORGROVE MACHINERY CO., LTD.**  
DEWSBURY ROAD, LEEDS.



*Make a  
clean sweep*

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INSURANCE  
TROUBLES

and enjoy the perfected Bonus  
System and wide protection of

**POOL** COMPREHENSIVE  
SHOPKEEPERS' **POLICY**

The Licenses & General Insurance Co. Ltd.

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Next Temple Stn. W.C.2

FUNDS EXCEED £300,000. FOUNDED 1880



## ONE POLICY COVERS

Fire, Burglary, Workmen's Com-  
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**ANNUAL BONUSES**



There is no such thing  
as perfection; yet the  
nearest that has been  
attained to it up to the  
present is

**Jones'**  
**Non-Curling**  
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**Paper**



## SHADEINE FOR COLOURING GREY HAIR

This popular article is largely advertised  
and stocked by all Wholesale Houses.  
Trial Size 8d., per post 11d. 1/4 size, per post  
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Always in Great Demand.  
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UPRIGHT CENTRE CASES, WALL CASES,  
GLASS COUNTERS, MIRRORS,  
WINDOW FITTINGS, GLASS SHELVES,  
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CHECK TILLS, &c. Immense Stock.  
NEW and SECOND-HAND.

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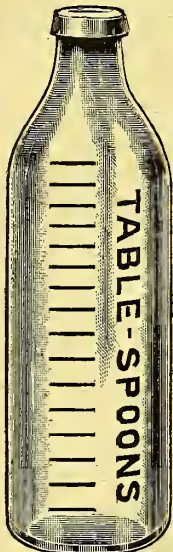
The **W** Brand of Hand-Moulded

**BOTTLES**

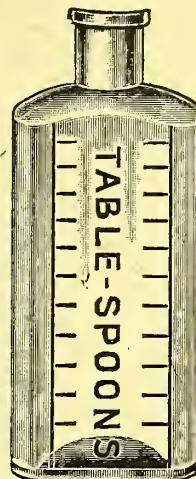
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**MEDICAL  
GLASSWARE**

*Free from dangerous "frosted glass."*



STERILIZING  
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DISPENSING  
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*Finest Quality Dispensing Bottles,  
Poisons, Cheltenham, Chest Squares,  
Shop Rounds, and Bottles for  
Proprietary articles, in various colours.  
Feeding Bottles and Sterilizing Milk  
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*Wholesale only—*

**WOOD BROS. GLASS CO. LIMITED,**  
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**Glass Bottles**

of every type  
in stock.

*Flats, Panels, Rounds, Kalis, Pomades,  
Vials, Boat-shape Feeders, etc.*

SEND US YOUR ENQUIRIES. WHOLESALE ONLY.

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**Good Stocks of GLASS BOTTLES**

ARE NOW HELD BY

**THE AMALGAMATED GLASS BOTTLE WORKS, LTD.**

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# BEATSON'S BOTTLES

*Beatson's Bottles  
were first made  
in*  
**1751**

**GLASSWARE  
FOR  
CHEMISTS.**

**BEATSON, CLARK & CO., Ltd.  
GLASSWORKS,  
ROTHERHAM.**

## GLASS BOTTLES

A LARGE number of my friends already know that I have made the supply of BOTTLES and JARS for the Chemist, Druggist and Sundries Trades a speciality for a period of 20 years or more, consequently I feel certain that no other House can offer better facilities as regards either quality, price, or delivery.

If it should happen that I am not already doing business with your good selves your enquiries will receive prompt and careful attention.

At the moment we have in stock such lines as Medical Flats, Panels, Vials, Kalis, Limes, Mexicans, etc. etc.

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**GLASS AMPOULES,  
TUBES,  
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Bottles** *Cheap and reliable.  
of every description.*

**DIRECT FROM THE WORKS,  
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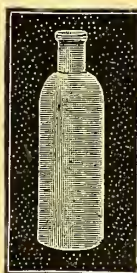
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is clear and attractive glassware. No matter how meritorious the contents, you must have good bottles or other containers for your goods. What are you wanting? *We can do it,* and from stock, too.



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MEDICALS.  
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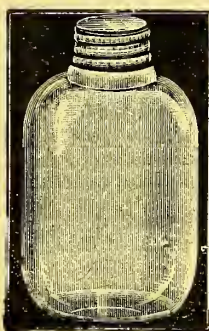
LIME.

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SURGICAL  
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MEDICAL.

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TABLET BOTTLE.



TWO-ENDED FEEDER.

Narrow-mouth SHOP  
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Watts' Embrocation, or Curb Bottle.  
Aconite Powders,  
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(P.A.T.A.)**Remedies for the Horse****HARVEY'S**

Koppos Powder.  
Parasiticide.  
Thrush Specific.  
Hoof Ointment.  
Hair Restorer (Human.)

Of all the leading Druggists' Sundries Houses.

**HARVEY & COMPANY, Ltd., Dublin.****Continuous and Steadily Advertised Goods  
FOR DESTROYING RATS AND MICE****DANYSZ VIRUS**

Retail Prices (protected). Net Wholesale Prices.  
Virus for Rats and Mice, single tube, 2/- ... 15/- per doz.  
3 tubes, 5/-  
Virus for Mice only - single tube, 1/6 ... 9/-  
3 tubes 3/-  
Date-expired tubes returned to us postage paid will be exchanged free of charge.

**Danzysz Virus in Liquid Form**

Retail Price. Wholesale Price.  
Quart Bottles 6/- each ... 4/6 each  
Pint " 4/6 " ... 3/9 "

**HALLER'S EXTRACT OF SQUILL  
and DANZO RAT KILLER**

Discount off Retail Prices 25% Monthly Account, or 33 1/3% cash with order.

	Retail	Monthly a/c	Cash with order
1/2 gall. tins	10/-	7/6	6/8
1 " "	18/-	13/6	12/-
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For destroying Blackbeetles, Cockroaches, Crickets, &amp;c.

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In tins 3d. ... In boxes of 2 doz. 2/1  
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Danzo Beetle Powder will not deteriorate by keeping.

**CARRIAGE PAID ON ALL ORDERS.**

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**FOUND DEAD!****17 rats killed in a week with a 1/-  
packet of DUNCKLEY'S RAT-KILL**

A CHEMIST writes:—"Please repeat my order for RAT-KILL, I have several customers who say that your RAT-KILL is the best killer they have ever used. One customer states that a 1/- packet killed 17 rats in a week."

**DUNCKLEY'S  
RAT-KILL**

(Requires no Signature)

Destroys RATS and MICE, Dries  
them up and leaves NO SMELL.DUNCKLEY'S RAT-KILL has been analysed by  
HIS MAJESTY'S MINISTRY OF AGRICULTURE AND  
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Register as an Effective Poison for the Destruction  
of Rats and Mice.6d. size 3/6 per doz.; 1/- size 6/6 per doz.; 2/6 size 15/- per  
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ESTABLISHED 1886

**TWO NEW RECORDS**

dated June 2nd and August 22nd, 1921.

**100 RATS Killed with Half  
of a 1/3 Tin.**

Mr. RUTLAND, Miller's Farm, Wrotham, writes:—  
"This place was overrun with rats even in daylight.  
I purchased a 1/3 tin of 'Rodine' and used half of  
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I think 'Rodine' is wonderful stuff! No smell or  
unpleasantness."

**40 RATS Killed with One-Third  
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Mr. POWELL, Star Pitt, Much Cowarne, writes:—  
"I consider there is no rat poison to equal 'Rodine.'  
We were fair alive with rats and I purchased a 7 1/2d.  
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clean sweep of 40 rats. I keep fowls and pigs and  
have not lost one. I have every confidence in using  
'Rodine.'"

**"RODINE."**Carriage Paid Order £1.  
Get it on best terms.

Sole Maker &amp; Proprietor,

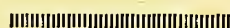
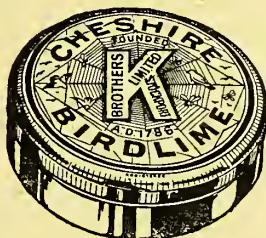
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Chemist,

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When you order  
**BIRDLIME**  
always specify  
**"Kay's Cheshire."**

You are then assured of a standard product worthy of your reputation, and certain to please your customers.



In tins of four sizes  
for counter sale and  
in bulk.



From all Wholesalers.

SOLE MAKERS:  
**KAY BROTHERS Ltd., STOCKPORT.**

**CUFF'S FLY OIL**

For Maggots in Sheep.

The cure for this troublesome complaint that has stood the test of nearly a hundred years.

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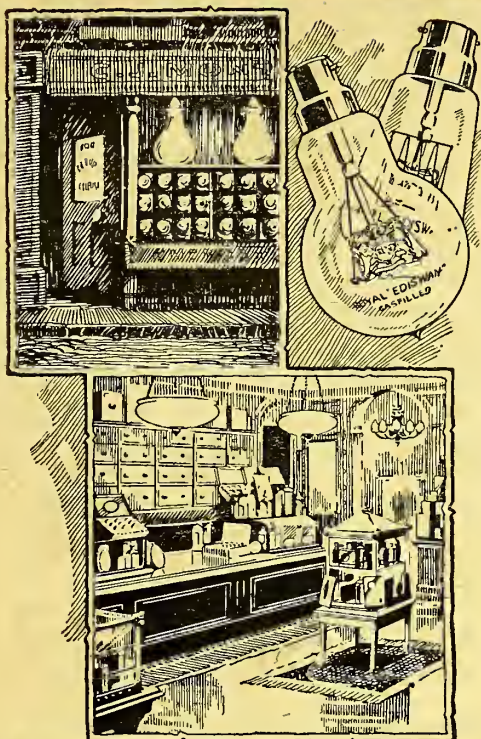
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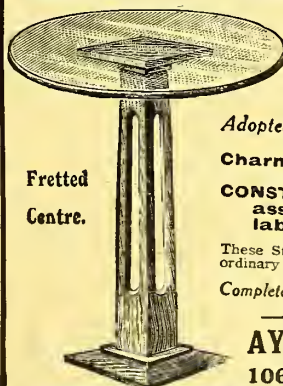
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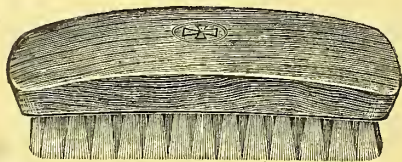
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42 CANNON ST.  
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SEPTEMBER 24, 1921

*This Supplement is inserted in every copy of The Chemist & Druggist.*

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**A**DVERTISER is open to represent one or more firms of Manufacturers, Wholesale Chemists, Chemists' Sundriesmen, or Surgical and Dental Instrument Makers; has 17 years' travelling experience amongst Chemists in South Africa; excellent credentials. Apply, stating terms, to 220/26, Office of this Paper.

**C**HEMIST requires non-conflicting Agencies on commission basis. "Qualified," 48 Brompton Road, St. Albans.

**C**OLLAPSIBLE TUBES.—Agent wanted for London district; would suit Representative calling on Manufacturing Chemists, Oilmen, and others; liberal commission paid to real live Salesman. Apply 32/87, Office of this Paper.

**I**RISH Agencies Wanted.—Representative, travelling Ireland, own car, visiting Medical, Dental, Veterinary Surgeons, Hospitals, Chemists, open to introduce products of good houses, British, American, or Continental; suggested lines: Pharmaceutical Proprietaries, Surgical Instruments, Dressings, Dental Rubbers and Sundries, Packed Chemists' Counter lines, Household and Toilet; exceptional connection, credentials, and guarantees; correspondence invited. "Bayard" (215/31), Office of this Paper.

**M**ANUFACTURERS.—Traveller, with connection, Midlands, is open for one other line; terms, commission and part expenses. Apply 21/29L, Office of this Paper.

**O**LD-ESTABLISHED firm in North of England, contemplating adding Chemists' Sundries Branch to business, invite correspondence from actual Manufacturers of all kinds of Chemists' Sundries, etc.; open to buy in large quantities; British or foreign. Full particulars and prices to 37/25T, Office of this Paper.

**T**RAVELLER, with car, covering Southern Counties, requires good Agency for Chemists; Proprietary lines only. Scott, 47 Dean Street, London, W.1.

**W**ANTED, by a firm of Toilet-roll Manufacturers, Agents on commission; splendid side-lines; only 4-oz. weight samples to carry. Apply 37/26T, Office of this Paper.



## SALES BY AUCTION.

OWING TO EXPIRATION OF LEASE.  
126 STRAND, W.C. 2.

**H**IGH-CLASS Mahogany Show Cases and Shop Fittings, a large number of labelled Drug Bottles, also a few lots of Furniture.

Messrs. Stevens's Auction Rooms, Limited, have received instructions to Sell the above Property on the Premises, as above, on **MONDAY NEXT, SEPTEMBER 26th, at 2 o'clock.**

On view morning of Sale.

Catalogues on application to the Auction Rooms and Offices, 38 King Street, Covent Garden, London, W.C. 2.

## NOTICE.

**N**OTICE IS HEREBY GIVEN that the Power of Attorney, dated 19th January, 1917, executed by Vitantonio Picerno, carrying on business as a Drug and Chemical Merchant, under the style of V. A. Picerno, at 92 Falcon Road, Battersea, in the County of London, in favour of Arthur William Arscott, Albert Charles Warwick, Dario Albagli, and George Frederick Perrin, has by Deed executed by the said Vitantonio Picerno, and dated 18th August, 1921, been revoked in its entirety as from the 18th August, 1921.

Dated this 20th day of September, 1921.

V. A. PICERNO.

## Council Election of the Pharmaceutical Society of Ireland, October 1921:

**T**HE following candidates respectfully solicit the votes and influence of the members of the Society in the coming Election:—

MR. P. BRADY, 12 Upper Camden Street, Dublin.  
DR. WALTER HEALY, Mount Street, Dublin.  
MR. FRANCIS MCANALLY, Main Street, Carlow.  
MR. DE O'CONNELL, Upper Merriam Street.  
DR. MICHAEL O'DONNELL, Castle Street Dispensary, Dublin.  
MR. MICHAEL RYAN, 12 Lower Camden Street, Dublin.  
MR. JOSEPH DORGAN, Summerhill Dispensary, Dublin.

## BUSINESSES WANTED.

**6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.**

**L**ONDON (good-class district) or Scotland.—Sound Business wanted (at once), with turnover £2,000-£3,000, for cash; replies treated in confidence; references exchanged. Apply J. M. C., 138 High Road, South Woodford, London, E. 18.

**A** GOOD Retail Business wanted in a pleasant locality, with a turnover of about £3,000 per annum; cash available, and references given (trade or bankers'). Reply, in strict confidence, to "Genuine," c/o Messrs. Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E. 1.

**G**ENUINE Chemist's Business wanted; turnover about £2,000 to £3,000; must bear strictest investigation; shop must be well fitted and up to date, with house attached if possible; or Partnership, with view to succession, entertained; particulars in strict confidence; London or good-class suburb preferred. H. Cooper, 36 Portman Mansions, Baker Street, W.

**W**ANTED, middle-class Retail Cash Business in country or healthy locality; cash available; full information requested; in strict confidence. Page, Blaby Road, Enderby, Leicester.

## PARTNERSHIPS.

**6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.**

**A** WELL-ESTABLISHED manufacturing business in London has a vacancy for a young man, able to invest £500, to train as Assistant Manager; the position offers good prospects of advancement; state age, Retail experience, and salary required. Apply 217/2, Office of this Paper.

**Y**OUNG qualified Chemist, with excellent experience in both Wholesale and Retail and who can submit undeniable references, desires an opening where efficient and energetic service and £500 capital will procure a responsible position with a promising future; Wholesale preferred, but not essential. Write "Ready" (223/17), Office of this Paper.

## PATENT FOR SALE.

**T**HE owners of British Patent No. 104,658 entitled, Baking Powders, desire to dispose of the Patent, and would be willing to grant a licence to firms likely to be interested, or would sell the Patent outright. A copy of the specification and particulars may be obtained from Hertford Record Co., Ltd., of Lindsey House, 59 Lincoln's Inn Fields, London, W.C. 2.

## FINANCIAL.

**M**ANAGER-PARTNER; £500; London or 20-mile radius; best English and foreign experience. Apply 216/33, Office of this Paper.

## SITUATIONS OPEN.

### RETAIL.

**6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.**

**B**IRMINGHAM.—Assistant; unqualified; outdoors; knowledge of Dispensing and Photography. Apply, giving full particulars, Green, Chemist, Sparkhill.

**B**OURNEMOUTH.—Unqualified Junior Assistant required (early in October). In reply please state age, salary required, and full particulars to the Secretary, G. E. Bridge & Co., Ltd., 125 Old Christchurch Road, Bournemouth.

**B**RADFORD.—Unqualified Assistant; must be a really good, experienced man, used to busy store trade, and a hard worker. State age, experience, and salary required to Savage, Listerhills, Bradford.

**B**RISTOL.—Junior Assistant wanted for quick Retail, Dispensing, and Photographic business. Apply, stating salary required (outdoors), age, height, experience, with references, to F. Moss, 206 Redland Road, Bristol.

**C**HELTHENHAM.—Junior Assistant (male), indoors, unqualified, required early October for good-class Dispensing and Photographic business; no N.H.I. work. Please state salary required, age, height, and experience, and enclose photograph (to be returned), to Beetham & Clark, Promenade, Cheltenham.

**D**ORKING.—Wanted, capable unqualified Assistant; none but those having highest personal references need apply. Full particulars to Browell, Pharmacist, Dorking, Surrey.

**E**XETER.—Wanted, good Junior Assistant; quick and accurate Dispenser, knowledge of Photography. Hinton, Lake & Son, Ltd., 41 High Street, Exeter.

**F**OLKESTONE.—Competent Senior Assistant (male), experienced in first-class Dispensing and Retail. Please give full particulars as to experience, age, references, and salary required (outdoors). Applications not answered by 30th inst. declined with thanks. Hall & King, Chemists, Folkestone.

**I**PSWICH.—Junior (male) for Cash Retail, N.H.I., and Photographic. State age, experience, and salary required to G. W. Hales, 21 Tacket Street, Ipswich.

**I**PSWICH.—Junior, for quick Counter trade, with Photographic and Window-dressing experience. Apply, stating age, height, salary (outdoors), with references and length of experience, Symonds, Chemist, Brook Street, Ipswich.

**L**EAMINGTON SPA.—Competent Assistant, either sex; must be a good Dispenser, competent at the Counter, and a knowledge of Photography preferred. State age, salary required, and full particulars to J. Kenyon Tonkin, Victoria Pharmacy, Leamington Spa.

**L**ONDON.—A vacancy will shortly occur for an Assistant with the Optical qualification; applicants please give full particulars of age, experience, salary required, etc. Apply 223/15, Office of this Paper.

**L**ONDON.—Capable Assistant wanted (October 3rd); outdoors; Counter and Dispensing; please state age, height, salary required, references, etc., in first letter; applications not answered in three days declined. P. S. Reed, 196 Belsize Road, London, N.W. 6.

**L**ONDON, N.—Manager, qualified, experienced; N.H.I. Dispensing; capable, trustworthy; full particulars in first letter; photo, if possible. Apply 223/20, Office of this Paper.

**L**ONDON, N.W.—Qualified Assistant for quick Store trade, Dispensing, and Photography; middle-aged and single preferred; a suitable man would have the opportunity of taking a share in the business if he wished; please send full particulars, references, salary required, and when disengaged. Drug Store, 177 The Broadway, Cricklewood.

**L**ONDON, S.E.—Capable Assistant required (about October 1); must be reliable and trustworthy. Age, height, salary, experience, and references to Beale & Son, Chemists, South Norwood, S.E. 25.



**LONDON, S.W.**—Wanted, Counter Assistant of gentlemanly appearance, with good experience of Drugs and Perfumery, about 25 years of age; hours of work 8.45 a.m. to 6 p.m.; personal interview required. Write, first instance, giving full particulars of experience, Box 708, Sells, Fleet Street, E.C. 4.

**LONDON, W.**—Required, a very smart, up-to-date Managing Senior, about 35, for permanency; must be of good height, appearance, and address, and a first-class Counterman; qualification unnecessary provided thoroughly competent. Messrs. Wright, Chemists, 25 Broadway, Hammersmith.

**LONDON, W.**—Junior, unqualified, at once; outdoors; must be energetic, accurate Dispenser, good Window-dresser; first-class reference essential; progressive permanency to right man; please state age, height, salary required, first letter. O. F. Moss, 175 Uxbridge Road.

**LONDON, W.C.**—A gentlemanly and experienced Assistant required for first-class Retail and Dispensing business. Apply, with full particulars, or personally, A. Maitland & Co., 8 Torrington Place, W.C. 1.

**MANCHESTER DISTRICT.**—Junior Assistant, outdoors (lady or gentleman), required for good-class Retail and Dispensing business; Counter experience essential. Apply, stating age, experience, references, and salary required, to T. & W. Woodruff, Dispensary Chemists, Cheadle, Cheshire.

**MANCHESTER.**—Capable Junior Assistant; outdoors; quick and good Counterman. Full particulars, salary, and references to Beal, Chemist, 446 Rochdale Road.

**PORTH, GLAM.**—A Junior Assistant, outdoors; hours reasonable; no Sunday duty; state age, experience, salary required, and when disengaged. T. Davies, Bridge Pharmacy, Porth, Glam.

**SHEFFIELD.**—Junior required (suit one just out of apprenticeship); must be reliable and energetic. Please state salary required, with usual particulars, to C. H. Hallatt, M.P.S., 252 Langsett Road. Applications not answered in three days respectfully declined.

**ASSISTANT** (outdoors) for brisk South London business; young, single; good Counterman, Dispenser, and used to putting in a good selling (not artistic) window. In reply, please state age, salary, reference, and experience (if provinces enclose photo, which will be returned), to 217/15, Office of this Paper.

**COMPETENT** male Assistant (at once), aged 25-30, chiefly for Dispensing; experienced in good-class business. Particulars of age, height, experience (photo or interview preferred) to Ashworth, Chemist, Weybridge.

**EARLY.**—Unqualified Assistant for up-to-date quick trade, with Dispensing and Photographics; outdoors. Apply by letter in first instance, to C. Breese, 119 Mitcham Lane, Streatham, S.W. 16. Phone: Streatham 446.

**GOOD,** reliable Assistant required for Dispensing, Agricultural, and Optical Business in the Eastern Counties; applicants should state full particulars of age, experience, qualifications, salary required (outdoors), and references. Grimble & Kent, Chemists, Boston, Lincs.

**JUNIOR** Assistant, unqualified, male, wanted (October 10) for good-class Light Retail and Dispensing business; state age, experience, salary required (outdoors), and references, by letter; applications not replied to within three days declined. Glaister, 49 Abbey Road, London, N.W. 8.

**JUNIOR** Assistant (male) wanted for Colliery district; unqualified, capable and trustworthy, for Cash business and N.H.I. Dispensing. State age, experience, and salary (outdoors), to E. E. Roberts, Chemist, Abertridwr, near Cardiff.

**LADY** Dispenser (Hall) wanted; must be experienced; personal interview, if possible. Apply Mr. Clegg, Chemist, 1 Broad Street, Teddington.

**LADY** Dispenser wanted (as soon as possible) for four or five weeks; salary £2 10s. weekly; no Thursday evenings or Sundays. Apply to the Dispenser, 2 Navarino Mansions, Dalston, E. 5.

**PART-TIME** Assistant (Junior) required for evenings and Saturdays; must have some Dispensing experience and good references; two full-time Assistants kept. Apply by letter, stating age, height, experience, and salary required, C. B., 20 New Street, Dorset Square, N.W. 1.

**QUALIFIED** Assistant wanted (immediately); accustomed to quick Retail and N.H.I. business; outdoors; good references very necessary. Apply, with usual particulars, to T. Johns, Chemist, Tilbury Dock. Applications not answered in 3 days respectfully declined.

**QUALIFIED** Manager required for modern, progressive Pharmacy; scope for initiative and up-to-date salesmanship; capable Window-dresser and good Counterman essential; abstainer preferred; state if married, age, salary, experience, full particulars, and references in first letter. Harley, Chemist, Perth.

**QUALIFIED** Assistant, married, not over 30, for Dispensing business; furnished house provided. Apply, giving full particulars, to P. Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W. 6.

**QUALIFIED** Manager wanted (indoors); light duties; would suit elderly or middle-aged gentleman; state age, salary required, etc. Swinglehurst, Chemist, Post Office Buildings, Barrowford, Lanes.

**S. F. GOSS, LTD.,** 460 Oxford Street, require a Pharmacist as S. Dispenser; must be experienced and energetic. Apply to Frank B. Arnold, General Manager.

**UNQUALIFIED,** with good-class Dispensing experience. Apply, personally or by letter, to W. S. R., 1 Southwick Street, W. 2.

**UNQUALIFIED** Junior, unmarried, required (immediately); accurate and reliable Dispenser; outdoors. H. T. Doble & Son, Chemists, Tavistock, Devon.

**WANTED,** Morning and Evening Dispenser for N.H.I.; hours open to arrangement. Davies, 374 Old Kent Road, London.

**WANTED,** Assistant, to relieve another for fortnight; good Dispenser. Ward, Chemist, St. Peter's, Broadstairs.

**YOUNG** qualified Assistant required at once for Retail and Dispensing business in a Colliery district, within 20 miles of Birmingham; state salary and usual particulars. Apply 222/15, Office of this Paper.

## WHOLESALE.

**LONDON.**—Representative required with established connection amongst Chemists and Stores in City and West-End and North London, only to carry Compressed Tablets and Packed lines; no objection to one non-competing line. Apply White Band Manufacturing Co., Ltd., Croydon.

**MANCHESTER.**—Representative required, resident in Manchester, with established connection amongst Chemists and Stores in Manchester and district, to carry Compressed Tablets and Packed lines; no objection to one non-competing line. Apply White Band Manufacturing Co., Ltd., Croydon.

**A WELL-ESTABLISHED** London firm of Toilet Soap, Perfumery, and Toilet Article Manufacturers require the services of gentlemen travelling abroad; those connected with the Drug or Allied Trades preferred (some territory already covered); the advertisers would be pleased to discuss any sound proposition for representation where they are not already represented. Apply 45/41, Office of this Paper.

**ASSISTANT** Manager required (Minor qualification preferred), with a view to succeeding Managing Director. Reply, in full, giving age, experience, salary required, with recent photo, to the Chairman, G. L. Greenwood & Co., Ltd., Wholesale Druggists, Keighley.

**CLERK,** Invoice, wanted; must be quick at figures and have knowledge of Drug trade. Address, stating age, experience, and salary required, Secretary, Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

**DRUGGISTS,** Wholesale.—Invoice Clerk, Junior (male or female), must be accustomed to deal with Doctors' and Chemists' orders, quick at figures, and able to operate typewriter. Letters only, stating experience, age, and wages, "Invoice," Gale & Co., Ltd., 15 Bouverie Street, E.C. 4.

**ENERGETIC** Traveller required for Scotland, to represent a well-established firm of Surgical Dressing Manufacturers and Druggists' Sundriesmen; must be experienced. Apply, stating full particulars, to Sales Manager, 49/51 Central Street, London, E.C. 1.

**EXPERIENCED** Salesmen with connection amongst Chemists in the North and Midlands, required to push new but advertised line of Toilet Preparations; business builders only wanted; salary, expenses, and commission to right men. Apply, with full particulars and extent of connection, to 11/17F, Office of this Paper.

**FIRST-CLASS** Representative required to push important Infant Food among Chemists in South Wales; full time and energies. Write, stating experience, terms, etc., to Box 222, General Publicity Agency, 6 Austin Friars, London, E.C. 2.

**MESSRS. C. J. HEWLETT & SON, Ltd.,** require a competent Bought-Ledger Clerk; previous experience essential, and must be quick, accurate, and have good references. Apply, by letter only, giving age, salary, etc., to B. L. C., 35-42 Charlotte Street, London, E.C. 2.

**OLD-ESTABLISHED** Perfumery House require Travellers for Lancashire, Birmingham, and Midlands; commission only; first-class men with sound connections and references only need apply; state districts worked and lines carried. 37/27, Office of this Paper.

**REPRESENTATIVE** wanted for London area; sincere and gentlemanly Salesman, known to London Chemists and Stores, to develop the sales of an already well-introduced series of French Perfumery, etc.; salary, expenses, and commission; replies treated in confidence. E. B. (32/86), Office of this Paper.

**REPRESENTATIVE** wanted, with good connection among Retail Chemists, to sell Chemists' Sundries, etc., as a sideline at competitive prices; generous commission and percentage on the net profits. Full particulars, in confidence, to "S. M. M." (221/24), Office of this Paper.

**REPRESENTATIVES** for Packed Goods and Toilet Preparations, to take over existing connections (1) Midlands, (2) Yorkshire and N.E. Coast; no objection to non-competing line; Salesman, with good sound connections, will find this a lucrative proposition. Full particulars of experience, territory, etc., to 217/200, Office of this Paper.

**RESPONSIBLE** Representatives required, calling upon Chemists, to sell on commission largely advertised Agricultural and Horticultural lines made by well-known manufacturers; only first-class men with sound connections will be entertained. Replies, in strict confidence, giving full particulars and districts covered, and how often customers are called upon, to 15/62, Office of this Paper.

**SHORTHAND** Typist required in office of City Wholesale Druggist; previous experience essential. Apply by letter, giving particulars, speed, age, and salary required, to 15/560, Office of this Paper.



**R**EPRESENTATIVE, on liberal commission basis, with sound connection amongst Chemists, Hairdressers, and Stores in London, north of Thames, to handle comprehensive range of Toilet Preparations at competitive prices. State age, experience, and lines carried, in confidence, to C. A. Stokes & Co., Ltd., Eclipsol Works, Bristol.

**S**MART Traveller. wanted with well-established connection amongst Chemists in the London area to sell Toilet Soaps. Write 220/19, Office of this Paper.

**T**ABLETS.—Man, with experience in making of Compressed Tablets, required immediately; must be able to turn out first-class work, both plain and coated (Sugar and Chocolate). Give full particulars of experience, age, wage, etc., in first letter to Goodall, Backhouse & Co., Leeds.

**T**INCTURES and General Laboratory Work.—Two young and capable men, with previous experience, required at once. Apply, stating fully experience, age, etc., to Goodall, Backhouse & Co., Leeds.

**T**RAVELLER calling upon Chemists offered exclusive territorial Agency for new Toilet preparation; good commission. Write or call, Lawrence & Co., 47 Dean Street, London, W. 1.

**T**RAVELLER, already calling on Chemists and Stores, wanted by Yorkshire firm for Midlands ground; high-class winter lines, selling well where shown; good commission and fair treatment; full particulars in confidence please. Apply 220/23, Office of this Paper.

**V**ALUABLE Side-line; territories open: Eastern Counties, part Midlands, London and district; 20 per cent. commission first and repeats; well-established, proved Dry Cleaner, sell 3d. and 6d.; perfect results on the velour and felt and wide range of articles; small samples; original show-matter; only first-class men with large personal connection considered. Apply 220/20, Office of this Paper.

W. B. CARTWRIGHT, LTD.,  
MOORLAND PHARMACY SERVICE,  
RAWDON, NEAR LEEDS.

**O**WING to the continued growth of our business and the ever-increasing number of customers we are open to receive applications from gentlemen with established connections in (1) North Wales, Staffs, etc., (2) Liverpool and half Lancashire.

We offer in each case a good remunerative position as full-time Representative in exchange for enterprise, energy, and the ability to consolidate and extend the spirit of goodwill and mutual confidence which exists between our many customers and ourselves.

Give full details in your first letter, state exactly the ground you cover, and how often, the lines you have carried, firms represented, etc.

**W**ANTED, by well-known house, a Representative for South-West Coast, to call on Wholesale and Retail Chemists; must have had previous experience. Write, giving full particulars of age, salary required, etc., to 42/53, Office of this Paper.

**W**ANTED, a thoroughly experienced Compounder and Manufacturer of Soluble Flavouring Essences; experience with a reputable firm absolutely essential. Write, stating terms and particulars, 25/16N, Office of this Paper.

**W**ELL-KNOWN Proprietary Medicine firm in London require a first-class man of undoubted integrity and ability. This man would have to prove his ability in Salesmanship in England, and his ability to manage a staff, also in this country. Liberal remuneration will be made to the right man with enthusiasm, energy, and foresight, and able to prove his worth. Prospects thereafter are distinctly good, but unless you are a sales-compelling Salesman, able to hold the position as Manager in addition with dignity, please do not waste your time or ours by writing. After a period of examination and training applicants must be prepared to go abroad to either China, South America, or Australia. Write fully, in strict confidence, with the following particulars: Age, married or single, permanent residence, previous experience (both peace time and war time), remuneration expected to commerce, and other information. Enclose a photograph, which will be returned if you enclose a stamped addressed envelope. Box No. 102, The Ashby Service Agency, Ltd., 26/7 High Holborn, W.C. 1.

**W**ORKING Foreman required for Wholesale Chemists, East London; general experience essential. Apply by letter, giving full details and salary required, 223/37, Office of this Paper.

## SITUATIONS WANTED.

### [HOME.]

#### RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

**A.A.A.**—UNQUALIFIED (28), thoroughly competent in all branches, Store, private, and Agricultural experience, can produce proof of having increased two businesses over 100 per cent., desires responsible position. "Competent," c/o 107 Ravenscroft Road, Canning Town, E. 16.

**A** GOOD all-round man; 20 years' first-class London and provincial experience; 38; 5 ft. 9 in.; unqualified; Locum or permanency; disengaged September 25th. Shirley, 57 Stanley Road, Brighton.

**A** JUNIOR, unqualified (24); good all-round experience; very good references; disengaged shortly; South Midlands preferred. Write 223/9, Office of this Paper.

**A** PHARMACIST, long varied experience, Branch or otherwise; married, no family. "Dent," 2 Station Road, Paddock Wood, Kent.

**A** PHARMACIST, as Manager or Assistant; married; 30; permanency; speaks French, Italian. Curran, Buckingham House, Wellington Street, Cheltenham.

**A** QUALIFIED Chemist as Manager or Assistant; 20 years' experience; permanency desired. Davies, Chemist, Wann-fach, Bynea, Llanelli.

**A** QUALIFIED Chemist (44); Locum or permanency; good experience and references; disengaged. "Lancashire," 12 Linwood Street, Greenheys, Manchester.

**A** RELIABLE Manager, Assistant, or Locum; disengaged; first-class references and experience; moderate terms. "Chemist," 6 Eastbourne Terrace, London, W.

**A** YOUNG, qualified Chemist, 24; tall, energetic, capable, desires good business experience; moderate salary; Midlands preferred. Apply 217/6, Office of this Paper.

**A** CTIVE, reliable Assistant, 31, married, West-End experience, requires permanency in West-End, City, or local; accustomed to take charge; good Dispenser and Salesman; highest references; unqualified; early October. W. Sims, 14 Hythe Road, Thornton Heath, Surrey.

**A** DVERTISER, 38, qualified, 23 years' experience, offers his services as steady, reliable, trustworthy Assistant or Manager; ten years last place; moderate salary. Apply 221/23, Office of this Paper.

**A** N energetic, experienced, capable Pharmacist desires post; 31; Manchester district preferred; first-class references; Dispensing, Counter, Window-dressing; permanency. Details, first letter, "M.P.S.," 25 Albion Street, Brook's Bar, Manchester.

**A** S Assistant to Chemist or Dispenser to Doctor; good testimonials; eight years' experience, chiefly with Doctors; Apothecaries' Hall qualification. Miss B., 17 Nichols Square, E. 2.

**A** S Assistant Dispenser; age 27; married; three years' experience as Assistant Dispenser and Dresser. M.L. 75250, Office of this Paper.

**A** S Lady Housekeeper and Dispenser (Hall) to Doctor or Institution; some Hospital training; good references. "Cara," 36 Clarendon Villas, Hove, Sussex.

**A** SSISTANT; qualified; 27; good Dispensing experience; first-class references. James A. Laverock, 9 Millar Place, Stirling.

**A** SSISTANT, qualified, capable, desires position Manager or otherwise; Southern Counties; abstainer. Apply-Holmes, 17 Prospect Place, Bath.

**A** SSISTANT or Manager, qualified, 16 years' Dispensing and general experience, at present, disengaged, seeks permanency; good solid worker. Jamieson, 39 Pepys Road, New Cross, S.E. 14.

**A** SSISTANT, 36, qualified, first-class Dispensing and Counter, permanency desired in London or near; moderate salary; now disengaged. "Statim," 10 Tachbrook Street, S.W. 1.

**A** SSISTANT (23) desires situation; South-Western Counties preferred; competent Dispenser and Counter hand; knowledge Photography; disengaged 21st October. Apply 221/34, Office of this Paper.

**A** SSISTANT or Manager, unqualified; good Salesman and Counterman; all-round experience in Prescribing, Window-dressing, and Photographic; not afraid of work; excellent testimonials; permanency required; kindly state salary. Apply 222/18, Office of this Paper.

**A** SSISTANT; 29; unqualified; experience Counter and Dispensing; London district preferred. "S.," c/o 36 Jennings Road, East Dulwich, S.E. 22.



**ASSISTANT**, passed part of Minor, with good all-round knowledge of the Wholesale and Retail Drug trade, desires permanency in good-class Retail and Dispensing business; not afraid of work; 26 years of age; gentlemanly appearance; highest references; state salary and usual particulars. Advertiser, 28 Langley Street, Derby.

**ASSISTANT**, unqualified, outdoors; 18 years' good all-round experience (London and country); single. P.C.B. 37/19, Office of this Paper.

**ASSISTANT or Branch (38)**; good experience in Retail, Dispensing, and Extracting; unqualified. Turner, 44 Macfarlane Road, Shepherd's Bush, W. 12.

**ASSISTANT**, unqualified; young and energetic; four years' Counter and Dispensing experience; South Wales preferred; best references; passed part Minor. Sheppard, 34 Islwyn Street, Abercarn, Mon.

**ASSISTANT (45)** seeks position near London; experienced Dispenser, Window-dresser, good Salesman; undeniable references; permanency; state salary offered. "Phenol," 26 Hunter Road, East Southsea.

**AVAILABLE** October 3rd; London district; 40; qualified; N.H.I.; reliable Dispenser; excellent references. Coles, c/o Hughes, Chemist, Melksham, Wilts.

**BIRMINGHAM**.—Lady, unqualified, seeks part-time situation, adjustable, as Counter hand; experienced; references; moderate salary. Apply 216/40, Office of this Paper.

**BIRMINGHAM DISTRICT**.—Capable lady Assistant; four years' experience Counter, Stock, Window-dressing, Accounts, Photography; small salary; excellent references. Apply 217/4, Office of this Paper.

**BRANCH**, Senior; reliable; wide practical experience Dispensing, Prescribing, Dentistry, Photography; keen Salesman, worker; medium salary, commission; disengaged. Munslow, Evesham.

**CAPABLE** in Dispensing, Counter work, and Window-dressing; a good all-round man, unqualified, of sober habits, trustworthy, able to manage and take charge; willing worker; permanency desired; married; age 31; good references. Particulars to Christopher, 74 Coolinge Road, Folkestone.

**DISENGAGED**; qualified; Manager or Locum; age 46; thoroughly experienced all branches. "Chemist," 108b Elgin Avenue, W. 9.

**DISENGAGED**; qualified; 26; thoroughly experienced in high-class Dispensing and Counter; excellent reference. Fortnam, Oxford Street, Rugby.

**DISPENSER (lady)**, failed Minor, desires post, part or whole time, in Hospital, Doctor's, or Chemist's; preferably London; wide experience. Testimonials and interview to "G.," 61 Binfield Road, Clapham, S.W.

**DISPENSER**; 25; tall, quick, accurate; accustomed to taking charge; Photography; highest references; disengaged. "M.P.S.," 68 Constance Road, Leicester.

**DISPENSER**, qualified; 25; thoroughly experienced in Retail and Institution work. M. K., 2 Culmington Road, Ealing, W. 13.

**DISPENSER**, qualified, seeks position; South Coast, Bournemouth area preferred. Apply 199/11, Office of this Paper.

**DISPENSER or Chemist's Assistant**; 21; 4 years' experience as Apprentice and Assistant. M.L. 590, Office of this Paper.

**ENERGETIC** worker, referred Botany, good all-round, Photographic, first-class references, keen, single, 24, desires post; Tyneside preferred; take anything. F. C. T., c/o Milburns Ltd., Northumberland Street, Newcastle-on-Tyne.

**EVENING** work required by experienced Dispenser and Laboratory Assistant; also efficient Bookkeeper; all evenings free. Apply Bull, 57 Glenwood Road, Catford Hill, S.E. 6.

**EVENINGS**; S.E. district; unqualified; references, West End, provincial. "Spero," 25 Padua Road, Anerley, S.E. 20.

**EX-SERVICE** man, 22, with good theoretical knowledge of Chemistry; one year's practical experience in Chemical factories; educated Secondary School, University of Wales. Apply "M.L." 7238/21, Office of this Paper.

**EXPERIENCED** Dispenser (Hall), lady; experienced Hospital, Institution, and Surgery; excellent testimonials; in London or near. Apply 216/23, Office of this Paper.

**GENTLEMAN**, young, tall, desires engagement, evenings and Saturdays; North London preferred; 7 years' West-End and suburban experience. "J. M." (P.C.B. 37/18), Office of this Paper.

**IMMEDIATELY**, qualified, 25, tall, of good address, seeks situation as Assistant. Proctor, 2 Higham Place, Newcastle-on-Tyne.

**JUNIOR** Assistant, 20, tall, desires post in Doncaster-Sheffield district; excellent references. "Student-Associate" (221/26), Office of this Paper.

**JUNIOR**; competent; neat worker; 4½ years' experience Dispensing, Stock, Counter; excellent references; disengaged shortly; London preferred. Apply 222/30, Office of this Paper.

**JUNIOR**, unqualified; highly recommended by employer; energetic worker; splendid, clean Dispenser; good knowledge Photographic; excellent Counter hand; three years' apprenticeship; 12 months as Second in shop four kept; take situation immediately; London preferred. Apply Gadd, Chemist, Minehead.

**LADY**, 20, five years' Retail experience, seeks situation in- or out-doors. "Student Associate" (220/22), Office of this Paper.

**LADY** Dispenser, 22, Hall certificate, desires post now; experienced in Dispensing and Bookkeeping; Locum or permanency; London or country. Apply Sandes, 8 Bernard Gardens, Wimbledon.

**LADY** Dispenser desires post, London; ten years' experience. "M.," 34 St. George's Road, Golders Green, N.W. 11.

**LADY** Dispenser (20), Hall qualification, desires post; experience in Dispensing and Bookkeeping. Apply 216/24, Office of this Paper.

**LADY** (Hall and Part I. qualification) desires situation; small salary to start. Strong, 7 Pownall Gardens, Hohnslow.

**LADY** Dispenser (Hall), 21, seeks post; one year's experience. Thomas, 3 Barston Road, West Norwood, S.E. 27.

**LADY** Dispenser, Hall (24), desires post with Doctor or Institution; two years' experience; Bedfordshire preferred; disengaged now. 224/34, Office of this Paper.

**LADY** seeks experience in Dispensing, whole or part time; salary immaterial; knowledge of Bookkeeping; well recommended. K. W., 7 Atherton Road, Forest Gate, Essex.

**LADY** (Apothecaries' Hall) requires post with Chemist; N.H.I. and Counter experience. Apply 224/7, Office of this Paper.

**LOCUM** or temporary; qualified; disengaged; Prescriber; wide experience; reliable. B. Griffiths, 6 Newcastle Hill, Bridgend, Glam.

**LOCUM**, relief, or permanency; wide experience; good references; qualified Dispenser; moderate terms. "Reliable," 82 Dahomey Road, Streatham, S.W.

**LOCUM** Tenens or position of trust; qualified; 45; thoroughly experienced; capable; highest credentials. "L.," c/o Wakeham, Chemist, Helston.

**LOCUM**, disengaged; country; qualified; 54; energetic; first-class experience and references, Optics, Photography; booking forward. Dewey, Montague Gardens, Wallington, Surrey.

**LOCUM**; qualified; experienced. Address "M.P.S.," Messrs. Southall Bros. & Barclay, Lower Priory, Birmingham.

**LOCUM**, qualified, references first order, moderate terms, long experience all branches, or permanency. "Chemist," 4 Ormond Terrace, Cheltenham.

**LOCUM**, qualified, thoroughly experienced, disengaged October 1st; London or near; excellent references. "Idem," 44 Gresham Road, Brixton, S.W.

**LOCUM**, experienced, reliable, excellent references, qualified, disengaged until October 12th and after October 22nd. P., 32 Allandale Road, Leicester.

**M.P.S.**: 27; single; as Manager or Assistant; just completing successful Locum season; good experience; moderate terms; free middle October; Sheffield or district for preference. Apply 217/1, Office of this Paper.

**M.P.S.**, YOUNG, well trained, requires further experience, good-class London Pharmacy; moderate salary. (Miss) Palmer, 18 Sutherland Terrace, S.W. 1.

**M.P.S.** REQUIRES post; Midlands preferred, but not essential; 10 years' experience; excellent references; disengaged. Apply J. H. Spetch, Howard Street, Sutton-in-Ashfield, Notts.

**M.P.S.**—Lady, Square-trained, experienced, requires post immediately; Locum or permanent; London preferred; Hospital or Retail. Hughes, 606 Harrow Road, W.

**M.P.S.**, F.S.M.C., requires position middle of October; excellent Pharmaceutical and Optical experience. A. E. Thompson, Loakes House, High Wycombe, Bucks.

**MANAGER**; qualified; disengaged in few days; City experience and references. "W. S.," 163 Eswyn Road, Tooting, S.W.

**MANAGER**; qualified (31); single; West-End and suburban experience; capable and reliable; highest references. Apply 216/31, Office of this Paper.

**MANAGER** or Locum; qualified, experienced, and energetic; disengaged. Thorley, 27 Crouch Hill, N. 4.

**MANAGER** or Locum; 48; married; very active; exceptional all-round experience. "Statim," 41 Powlett Road, Bath.

**MANAGER**; qualified; 8½ years' City experience; good references; now disengaged. "Theta," 163 Eswyn Road, Tooting, S.W.

**MANAGER**, Locum, disengaged; elderly, qualified; best reference; moderate terms. Apply "J. A.," 17 Prince's Road, Wimbledon, S.W.

**MANAGER**, gentleman, qualified, with or without view to succession; Prescriber, Photo, Optical; small salary if likely to lead to anything. "Reliable," 84 Queen's Avenue, Finchley, N. 3.

**MANAGER** or Senior; temporary or permanent; elderly; qualified; good references; London or suburbs; disengaged. P.C.B. 37/20, Office of this Paper.

**M.R. CAMPLIN**, Chemist, Horsham, can thoroughly recommend Manager who is shortly leaving him; qualified, highly efficient, and expert Optician.



**M**IDDLE-AGED unqualified Senior or Manager, Drug Store; good references and experience; Locum, temporary until permanency obtained. R., 10 Foreign Street, S.E. 5.

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**P**ART-TIME, Saturdays, whole or half day; Pharmacist; 30; tall; experienced; good Dispenser. Carter, 20 South Parade, Chelsea, S.W. 3.

**P**ART-TIME; evenings from 6, one half-day; Birmingham only; excellent Dispensing, Photographic, Salesmanship. "Student," 13 Bellbarn Road, Edgbaston, Birmingham.

**P**ART-TIME berth required by Chemist's son (age 23); three years' experience; time for study. C. H. Rigden, Greenhill Pharmacy, Harrow.

**P**ERMANENCY on Locum; unqualified; married; 45; disengaged; good references. Jepson, 33 Central Avenue, New Basford, Nottingham.

**P**HARMACEUTICAL Chemist seeks engagement; age 28; London or Southern Counties preferred. Apply 222/8, Office of this Paper.

**P**HARMACEUTICAL Chemist (lady) desires post; Laboratory; high-class Dispensing or Institution. W., 8 Wye Terrace, Hereford.

**P**HARMACIST (lady), Minor, requires post; Hospital or Retail; Leeds or Sheffield district preferred. Hollingworth, Townend Pharmacy, Wath-on-Dearne.

**P**HARMACIST (33) seeks position Manager, view to early purchase, or Locum. "Chemicus," The Haven, Navarino Road, Worthing, E., Sussex.

**P**HARMACIST, unsettled through war service, requires permanent position, or would undertake further locum work; 20 years' first-class experience; single; energetic; good appearance; capable Manager; interview desired, if possible; salary by arrangement, and could be based on results; excellent references. Stansfield, 24 Laurel Grove, Southport.

**Q**UALIFIED, tall, gentlemanly, 27, doing Locum, requires more permanent position in good-class Pharmacy; tasteful windows, good Counterman, Photographics, Optics; on best firms' list; any position, October 2nd. Apply 216/25, Office of this Paper.

**Q**UALIFIED Pharmacist, speaking French well, requires post as Manager or Assistant to principal who would be willing to consider putting up on mutual terms unique Medicinal and Toilet specialties; West-End and Continental experience; London or provinces entertained, and moderate salary only asked. "Statim" (217/38), Office of this Paper.

**Q**UALIFIED, 28, open for engagement October 1st in good-class Pharmacy; no N.H.I.; good Counterman and Dispenser; excellent references. Llew. Roberts, "Wenallt," Cricketh.

**Q**UALIFIED, 27, tall, desires post; Liverpool or Manchester district preferred, not essential; thoroughly experienced in best-class Dispensing and Counter; excellent references; knowledge of Welsh; willing to travel. "Cymro," 45 Regent Road, Crosby, Liverpool.

**Q**UALIFIED lady (23) desires post; good all-round experience Dispensing, Counter, Photography; highest credentials. Georgina Cowling, Mumbles, Swansea.

**Q**UALIFIED requires part-time berth in London; three evenings a week, 5-8 p.m.; could also give one day or two half-days; appointment. "Pharmacist," Seaview Farm, Seasalter, Whitstable.

**Q**UALIFIED (37); Dispensing, Counter, capable Bookkeeper, Prescribing; tall, married; North of England preferred; permanency. "Antipyrin" (216/17), Office of this Paper.

**Q**UALIFIED lady desires permanency, near Manchester preferred; good experience. Apply "M.P.S.," 9 Wilton Road, Chorlton-cum-Hardy, Manchester.

**Q**UALIFIED, trustworthy Assistant, seeks post in good-class Dispensing and Retail business; City or N.E. London preferred; thoroughly capable man; can take charge in Manager's absence; loves work. Apply 220/18, Office of this Paper.

**Q**UALIFIED Manager (owing to sale of business) seeks post; age 48; undeniable references. "Languages," 4 Ormond Terrace, Cheltenham.

**Q**UALIFIED (Swiss), age 26, requires position in London or suburbs; experienced; highest references; four languages. Apply P.C.B. 36/390, Office of this Paper.

**Q**UALIFIED; 28, married, good Dispenser, disengaged, seeks permanency; Wholesale or Retail. 1 Altham Road, West Derby, Liverpool.

**Q**UALIFIED (lady), 4½ years' experience Counter and Dispensing, seeks situation, town or country. "M.P.S.," "Elmstead," Wheatthill Road, Anerley, S.E.

**Q**UALIFIED (1911); Manager or Senior; good experience; abstainer; disengaged October 3rd; married; reliable. Beer, 98 Greyhound Lane, Streatham, S.W.

**Q**UALIFIED, 28, tall, desires position as trusted Assistant or Branch Manager. W. Smith, 23 Roman Road, Colchester.

**Q**UALIFIED (25), wants part-time berth in London district. Wilson, 11 Hazelrigge Road, Clapham, S.W.

**Q**UALIFIED; 31; any capacity; abstainer; willing to go abroad; West-End experience. "Statim" (224/29), Office of this Paper.

**R**ELIABLE, elderly Locum, disengaged; experienced Prescriber, good Counterman, etc.; abstainer; references; unregistered. "Energetic," 15 Waltham Road, Southall, W.

**R**ELIABLE, thoroughly experienced man; excellent references; moderate salary; permanency preferred. Gore, o/o Wright, 32 Bar Street, Scarborough.

**S**COTSMAN, qualified, 40, disengaged, experienced, desires management of good-class business. Durno, 4 Ancona Road, Harlesden, N.W. 10.

**S**ENIOR, capable of taking entire charge, desires situation in high-class business; West-End and South Coast experience; excellent references. Apply 223/6, Office of this Paper.

**S**MART, experienced Pharmacist Manager requires locum or permanency in town or country; up-to-date in modern business methods; disengaged September 26th; married. "Tristan," 26 Fox Hill, S.E. 19.

**T**HOROUGHLY experienced Manager or Assistant; disengaged; recent excellent credentials. "Chemicus," 79 Cecil Street, Manchester, S.

**T**O whom it may concern.—A young, qualified Chemist desirous of extending his experience offers his services for a moderate salary; in Birmingham district for preference, not essential. Apply 216/18, Office of this Paper.

**U**NQUALIFIED; 36, tall; ex-Sgt.-Dispenser R.A.M.C.; 16 years' experience pre-war, 1 year since, 3½ years France; Counterman, Surgical Writer, Prescriber; married; Leicester, Loughborough. Salary and hours to "Tact" (218/15), Office of this Paper.

**U**NQUALIFIED; 42; over 20 years' experience Dispensing and Counter; disengaged; accept any position, Retail, Wholesale, Travelling, Doctor. Estlick, 127 Camden Road, London, N.W. 1.

**U**NQUALIFIED, age 34, married, desires permanency; at present working holiday duty; good Counter and Window-dressing, Dispensing, usual routine of Pharmacy. Farrar, c/o Mr. Hill, Chemist, Leigh-on-Sea.

**U**NQUALIFIED, 29, desires post as Manager of Drug Stores; wide and successful experience in this capacity; country preferred, but not essential; live on premises, if possible. Apply 224/26, Office of this Paper.

**U**RGENTLY in need of permanent berth as Dispenser to Hospital, Medical man, or Chemist; 46; Hall qualification; good experience in Wholesale and Retail; first-class references. Write Steer, 18 Richmond Hill, Luton, Beds.

**U**P-TO-DATE Assistant, an unqualified success, age 35, requires a good permanent situation; well educated, and can submit excellent references. "Aspirin" (220/21), Office of this Paper.

**Y**OUTH, tall, passed preliminary, desires Apprenticeship to Chemist; Liverpool vicinity. Harris, 205 Falkner Street, Liverpool.

**Y**OUNG lady, 21, Counter and Dispensing experience, one subject left to complete Hall, desires post. Apply 222/10, Office of this Paper.

**Y**OUNG lady, 19, requires situation; four years' experience Counter and slight Dispensing; excellent references; bright, energetic, anxious to improve; free September 24th. J. Pepper, 11 Cedars Avenue, Walthamstow.

**Y**OUNG lady, 20, desires post as Assistant to Chemist; 5½ years' Dispensing and Counter experience; Nottingham or district preferred. Rowbotham, 42 Shakespeare Street, Nottingham.

**Y**OUNG lady (18), London Matric. (distinction Chemistry), desires Apprenticeship Dispensing with high-class firm in London, Central or N.W. preferred. Apply "W.," 223 Leavesden Road, Watford.

**Y**OUTH desires Apprenticeship; preferably London. Write 224/22, Office of this Paper.

## WHOLESALE.

**A**DVERTISER, managing Tablet and Pill department for past 12 years, seeks similar position; practical man, used to modern machinery, experienced in all branches, and capable of controlling staff. Apply 216/36, Office of this Paper.

**A**DVERTISER, qualified, 38, 15 years' South African experience Wholesale, Retail, good London experience previously, offers services, any capacity. Apply 221/230, Office of this Paper.

**A**NALYTICAL Chemist's Assistant (two years) desires laboratory or works post; small salary for experience. King, c/o Harrison & Self, 57 Chancery Lane.

**A**S Representative; qualified; first-class experience Wholesale, Retail, London and provincial; highest references; well recommended; energetic. Apply 217/330, Office of this Paper.

**A**SSISTANT or Traveller; 33; married; knowledge of French; 6 years' experience as Chemist's Assistant; general business training. M.L. 43432, Office of this Paper.

**A**S Works Manager.—Highly progressive, energetic, and capable Manufacturing Chemist desires appointment as above; advertiser has had very unusual experience, both as an administrator and as a business organiser, and could successfully undertake the entire lay-out of a new business *ab initio*. 225/2, Office of this Paper.

**A**SSISTANT, unqualified (33), lately in charge small Wholesale Chemist's Department, desires similar post, or would manage Drug Stores; South Coast preferred, not essential. "Statim," 6 Harley Road, Newtown, Great Yarmouth.



**DISPENSER - BOOKKEEPER** or Wholesale Laboratory Assistant; thoroughly experienced; excellent references; would do part-time or Locum. "E., 11L Sutton Estate, Chelsea, S.W. 3.

**EX-GENERAL** Staff Officer, Ph.C., University trained, experience Retail, Dispensing, Analysis, manufacturing, experimental Pharmacy, Clinical Analysis, and Bacteriology, Essence, and Confectionery trades, works management, office organisation and managerial duties, desires sound appointment, preferably in executive administrative capacity at home or Dominions. Replies "Springbok" (222/7), Office of this Paper.

**LADY** Shorthand Typist (25) seeks post; good knowledge Drugs and Pharmaceutical preparations. Apply 216/14, Office of this Paper.

**LIVERPOOL**—Capable Pharmacist (34) shortly disengaged (through sale of branch) seeks responsible position; Wholesale or City preferred; five years' general Wholesale experience. Parker, 370 Netherfield Road, North.

**MANUFACTURING** Chemist, 24, educated Hartley University, fluent Spanish, good knowledge Chemistry, manufacturing and Pharmaceutical, buying experience, wishes to go abroad; Spain or Spanish-speaking countries. Apply M.L. 13256, Office of this Paper.

**PHARMACIST**, age 31, well known in Scotland and London, is desirous of representing a firm of good standing; has attained a high standard of efficiency in Salesmanship; willing to travel abroad; advertiser desires permanent appointment, with sound prospects. 223/11, Office of this Paper.

**PH.C.**, THOROUGHLY experienced all branches Wholesale, the man to get the results desired and a "self-starter." "Major" (217/34), Office of this Paper.

**QUALIFIED** (1910), 12 years' sound Wholesale manufacturing experience, London and North, including control of staff; excellent references. "Eric" (217/35), Office of this Paper.

**REPRESENTATIVE**, with extensive connection, desires representation; good house essential; whole or part representation several years present ground. "Menthol" (217/17), Office of this Paper.

**REPRESENTATIVE**, with excellent credentials and who can command good trade in London and Southern Counties, is open to accept commission with first-class house. Address "Rex" (P.C.B. 37/2), Office of this Paper.

**REQUIRES** position, seven years' good experience with Patents, Drugs, etc., in Wholesale and Retail; good references; engaged, capable. For particulars write 222/22, Office of this Paper.

**SALESMAN**, Manager, or Buyer in the Chemical trade; 37; single; 15 years' experience as Junior to Departmental Manager, 1 year as Buyer and Salesman to Chemical Merchants, also 2 years' experience as Manager of Chemical Department for General Merchants. M.L. 2915/21, Office of this Paper.

**WHOLESALE** or Retail; 22; trained at London College of Pharmacy; five years' experience; willing to go abroad. M.L. 6039/21, Office of this Paper.

**WORKS** Manager; 31; married; six years as Chief Clerk to Merchants, and 12 years Departmental Manager, Chemical Merchants; knowledge of commercial Buying and Selling, Typewriting and Bookkeeping. M.L. 93449, Office of this Paper.

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**FRANCE**—Qualified Chemist (31), single, desires season engagement; West-End Dispensing and Counter experience; highest references.—Apply 221/4, Office of this Paper.

**SOUTH FRANCE**, Etc.—Qualified Chemist (48) desires season engagement; first-class experience; knowledge French, German; or permanency London preferred. "Pharmacist," 172 Albany Street, Regent's Park, London, N.W.

**M.P.S.** SEES engagement abroad in any capacity; young, keen, ambitious; working partnership entertained. Reply, in confidence, 217/37, Office of this Paper.

**SEASON** engagement wanted by qualified Chemist (27); first-class experience; excellent references; English, French, German, Italian, any Mediterranean country preferred. Apply P.C.B. 36/39, Office of this Paper.

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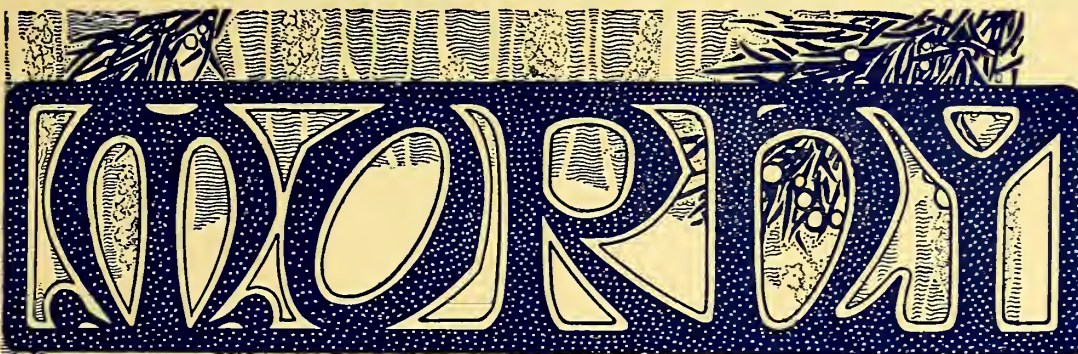
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